





Safe made safer

ESET Cybersecurity for Mac enhances your Mac's built-in security features to give you a safer, more efficient Internet experience. Our comprehensive online security tutorial provides useful safety tips on everything from firewalls to social networking. Because proactive software combined with informed behavior is your best protection.

ESET Cybersecurity for Mac

Available in fine retailers and online.

Business edition available at eset.com/mac-business.

www.eset.com





Tackle any business task on iPhone and iPad

In a hurry to get your team's business solutions on the iPhone and iPad? FileMaker Pro software and the FileMaker Go app give you the fastest path to creating custom iPhone and iPad solutions.

Tackle any business task: check inventory in your warehouse, close sales deals on the road, create and manage project plans while traveling, and more. With FileMaker Pro and FileMaker Go, you'll be running your key solutions on iPhone and iPad in hours, not weeks.

Try FileMaker Pro for free and see how easy it is to develop solutions on Mac or Windows. Then deploy your solutions with FileMaker Go, the top-selling business database app for iPhone and iPad.



FileMaker Pro 11
Available online at www.FileMaker.com

FileMaker Go for iPhone FileMaker Go for iPad





Download the free FileMaker "On the Go" Kit today!

The FileMaker "On the Go" Kit includes a FREE trial of FileMaker Pro 11 and NEW ready-to-use Starter Solutions for managing contacts, assets and documents on your iPhone and iPad.

Visit: www.FileMaker.com/GoKit



TOUDOUTING Nactive Vacables







On the Cover

Photograph by Peter Belanger; iMac Photograph Courtesy of Apple

CONTENTS

July 2011

COVER STORY

30 Taking Care of Business with the iPad

The iPad isn't just a toy. It's also a competent tool for a lot of the tasks modern workers do. We show you how to use the iPad to print and transfer files, network safely, and be productive.

FEATURE

42 The Reading Tablet

Let the iPad transform the way you experience magazines, books, comics, and the Web.

OPINION

7 From the Editor's Desk

Apple's technology changes things you might not expect.

MAC USER

12 Faster than Ever (Again): Blazing New iMacs

REVIEW Apple has updated its iMac lineup to give users faster connectivity tech and new processors.

- 14 Apple Stores at 10: What Went Right
- 18 Apple Keeps Raking in the Big Bucks
- 19 Built for Speed: MacBook Pro with 2.3GHz Core i7

20 Mac Gems

Stream any audio on your Mac to your devices or other computers, compare two programs that help you manage your windows, and more.

iOS CENTRAL

22 Manage Your Kids' iOS Purchases

Don't be blindsided by your credit card bill. We show you how to keep tabs on the iTunes and App Store purchases your kids make.

- 24 Location Dispute Puts Focus on Apple's Data Collection
- 25 HBO App Arrives—for Subscribers Only

28 App Guide

Each month, we review the App Store offerings that have caught our eye.

WORKING MAC

54 Make Gmail Play Nice with Mail

Outwit duplicate e-mail messages and other hassles with these tips.

56 Web Browser Security Basics

58 REVIEW Henge Docks Docking Station

PLUS: Reviews 60, Business Center 62

PLAYLIST

64 Your Music in the Cloud

We show you how to use Amazon Cloud Player with your Mac and iOS device.

65 Amazon Unveils Kindle Lending Library

66 Stream Classical Music from Naxos Library

PLUS: Reviews 68, Hot Stuff 70

DIGITAL PHOTO

72 Online Photo Albums Get Collaborative

Assemble your friends' and family's photos into a communal album.

73 The Flip Is Dead

74 A Camera, an iPad, and a HyperDrive

PLUS: Reviews 78

CREATE

80 QuarkXPress 9 Automates Design Techniques for Print and Mobile Publishing

Check out our first look at the sophisticated new design, typographic, and ePub tools in XPress 9.

81 Apple's Final Cut Pro X Excites Videographers

PLUS: Reviews 84

HELP DESK

86 Mac OS X Hints

Make Genius Mixes smarter, edit a Web page in Safari, quickly search your keychain, and more.

88 Mac 911

Identify faces faster in iPhoto, download free books, capture windows and menus, and more.

BACK PAGE

104 Spotlight

Michael Gartenberg offers reasoned insight into Jobs's "post-PC" remark during the iPad 2 launch.





MULTIMEDIA AT MACWORLD.COM

Check out our latest podcasts, slideshows, and videos



Slideshow: Smart Cover–Compatible Protection for the iPad 2

The Smart Cover protects your iPad 2's screen; these cases cover everything else. (macworld.com/7166).

We also recommend:

Podcast: All about iTunes—tips (macworld.com/7167).

Podcast: Rob Griffiths and His Many Tricks—spotlight on a Mac developer (macworld.com/7168).

Slideshow: 9 Cool Features of the Apple TV (macworld .com/7169).

Macworld Pundit Showdown XI (macworld.com/7170).

Power your Apple® MacBook®, iPad®, iPhone® & USB devices with HyperJuice!

HyperJuice now powers 12~15V auto/airline adapters including the Apple MagSafe® Airline Adapter*



*Sold separately by Apple



HyperJuice Nano
1800mAh
Recharge mobile & other devices that use a Micro USB connection.



HyperJuice Micro 3600mAh Recharge the iPhone 3x or extend the iPad's battery life up to 15 hrs.



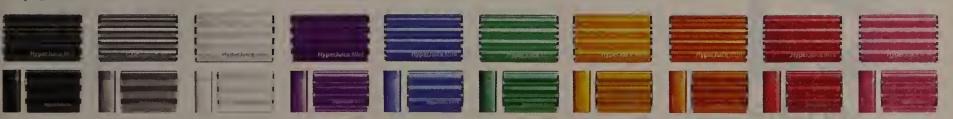
7200mAh Recharge the iPhone **6x** or extend the iPad's battery life up to **20** hrs.

HyperJuice Mini



HyperJuice Stand
11,000mAh
Supports iPad at 2 angles & extend
the iPad's battery life up to 26 hrs.

HyperJuice Nano, Mini, Micro available in 10 different vibrant colors!



www.hyperjuice.com/mw07 | 1.888.202.1888

HyperJuice



DiscLabel lets you decide which image to present to the world.

It may be a family photo album, an important business presentation, or a CD of your songs

for only your closest friends: it still deserves the best label you can create. DiscLabel makes it easy.



Download a trial version of DiscLabel today... www.smilesoftware.com/label



Software that's just right

The Disruptive iPad

From the backseat to the bleachers, Apple technology changes things you might not expect

ast year, my family bought a new minivan. And in the process, I realized how much Apple has disrupted the auto industry.

Road Not Taken

Every new car now seems to offer a USB port with iPod connectivity, and our van is no exception. An iPod classic now lives in our glove box, giving us access to our entire music collection. The van has Bluetooth, so my wife can answer calls on her iPhone without taking her hands off the wheel; she can wirelessly stream music from it, too.

But the biggest change that Apple has wrought cropped up when it came time to decide whether or not to add in-car navigation and entertainment systems to our new vehicle. As you might expect, automakers charge huge amounts of money—in our case, \$1500—for such options. For years I'd dreamed of buying a car with snazzy nav and movie-playing systems. But we didn't get either—because of Apple.

My wife and I both have iPhone 4's; both are equipped with Navigon's MobileNavigator GPS app. When we set out on long trips, we stick one of those phones into Kensington's \$30 Windshield/Vent Car Mount for Smartphones (which is affixed to the center passenger-side air vent) and let it talk us through the route.

As for the entertainment system, of course we want our kids to be entertained on long trips. But we already have two iPads. On really long drives, the adults hand the tablets to the small people in the backseat.

Each of our kids can then choose what to watch from the selection of movies and TV shows we load on the iPads before we hit the road. They view the video on a bright 10-inch screen that's right in front of them (rather than mounted on the ceiling, as a factory-



Of course we want our kids to be entertained on long trips, so we hand over our iPads.

installed entertainment system would have been), and they listen to it with headphones on (so they don't disturb anyone else).

Even better, with the iPads our kids can—and do—get a bit more interactive and play games or even use educational apps. On our last spring-break trip, I was amazed to discover that my kids were both busy playing Math Bingo while we were cruising through the California desert.

Parenting Skills

There's another benefit to using the iPads: Our neighbors have a minivan with an in-car DVD player. Their kids demand videos whenever they're in the car, even for short rides. I realize that, had we bought the in-car entertainment system, some diligent parenting on our part could have prevented such behavior in our own children. But the iPad renders that issue moot: We bring the tablets along only when we know we'll be in the car for a long time.

The last time I wrote about using Apple technology to entertain kids in the back of the car, I heard from a lot of people who wanted to call me a bad parent; back in their day, some of them said, their families sang songs, spotted license plates, and otherwise kept themselves occupied without screens or headphones. Well, when we take long car trips, they're really long. We have plenty of time for license-plate spotting (34 states collected over spring break), chatting, singing, and listening to baseball on the radio. But that's mixed in with some favorite movies and games. It's a balance that works for my family, and many others.

If you ever face the choice between a couple of iPads and a factory-installed in-car entertainment system, I don't know why you would choose the latter. The iPads offer more control and more variety, and are cheaper than those dedicated entertainment systems. My local car dealership missed out on a couple thousand bucks in extras, because Apple's technology—which we'd already bought—simply does more. Why invest in purpose-built technology that's tied to a single space when you've got a portable device that can do anything, anywhere?

In many ways, I think this is the key to the iPad's success: It's remarkably portable and versatile. As you'll see on page 30, we're devoting a big chunk of this issue to the many ways the iPad can make your life better. Now if you'll excuse me, I've got to go watch my daughter play softball. I'm the team scorekeeper, but I don't use an old paper score book anymore—I use an iPad and the ESPN iScore app.

Jason Snell is the editorial director for *Macworld*. You can contact him at jason_snell@macworld.com or follow him on Twitter at twitter.com/jsnell.



Macwor

EXECUTIVE EDITORS Philip Michaels, Dan Miller

MANAGING EDITOR Sue Voelkel

ART DIRECTOR Rob Schultz

SENIOR EDITORS Christopher Breen, Jackie Dove Dan Frakes, Roman Loyola, Scholle Sawyer McFarland,

ASSISTANT MANAGING EDITOR Sally Zahner

SENIOR ASSOCIATE EDITORS Heather Kelly, Dan Moren

ASSOCIATE EDITOR David Chartier

STAFF EDITOR Serenity Caldwell

DESIGNER Kate VandenBerghe

EDITORIAL INTERN Sam Felsing

SENIOR CONTRIBUTORS Adam C. Engst, Glenn Fleishman, Rob Griffiths, John Gruber, Jim Heid, Andy Ihnatko, Joe Kissell, Ted Landau, Rick LePage, Ben Long, Kirk McElhearn, John Moltz, John Siracusa, Derrick Story

DIRECTOR, MACWORLD LAB James Galbraith

LAB MANAGER Tony K. Leung

BENCHMARK DEVELOPMENT MANAGER James Motch

DEVELOPMENT ANALYSTS Thomas Luong, William Wang

LAB INTERNS Alex Cocilova, Mauricio Grijalva

CONTRIBUTING PHOTOGRAPHER Peter Belanger

HOW TO CONTACT MACWORLD SUBSCRIPTION SERVICES

Access your subscription account online—24 hours a day, 7 days to view your account status, change your address, pay your bill, renew your subscription, report a missing or damaged issue, get the answers to frequently asked questions, and much more.

To start subscribing, visit http://subscribe.macworld.com.

U.S. MAIL Macworld Subscriptions Department P.O. Box 37781, Boone, IA 50037-0781 (If you are writing about an existing account, please include your name and address as they appear on your mailing label.) appear on your mailing label.)

subhelp@macworld.com

(Send your full name and the address at which you subscribe; do not send attachments.)

800/288-6848 from the United States and Canada; 515/243-3273 from all other locations

The one-year (12-issue) subscription rate is \$34.97, the two-year rate, \$59.97; and the three-year rate, \$79.97. Foreign orders must be prepaid in U.S. funds; add \$10 per year for postage to Canada or \$25 per year for air freight to all other countries. Checks must be made payable in U.S. currency to Macworld. Please allow 3 to 6 weeks to receive your first issue or for changes to be made to an existing subscription.

SUBSCRIBERS: If the Post Office alerts us that your maga is undeliverable, we have no further obligation unless we receive a corrected address within one year.

MACWORLD EDITORIAL

The editors of Mocworld welcome your tips, compliments, or complaints. Some stories and reviews from past issues can be to located at www.macworld.com. We are unfortunately unable to look up stories from past issues; recommend products; or diagnose your Mac problems by phone, e-mail, or fax. You can contact Apple toll-free, at 800/538-9696, or visit the company's Website, at www.apple.com. For editorial and advertising contact information, please turn the page

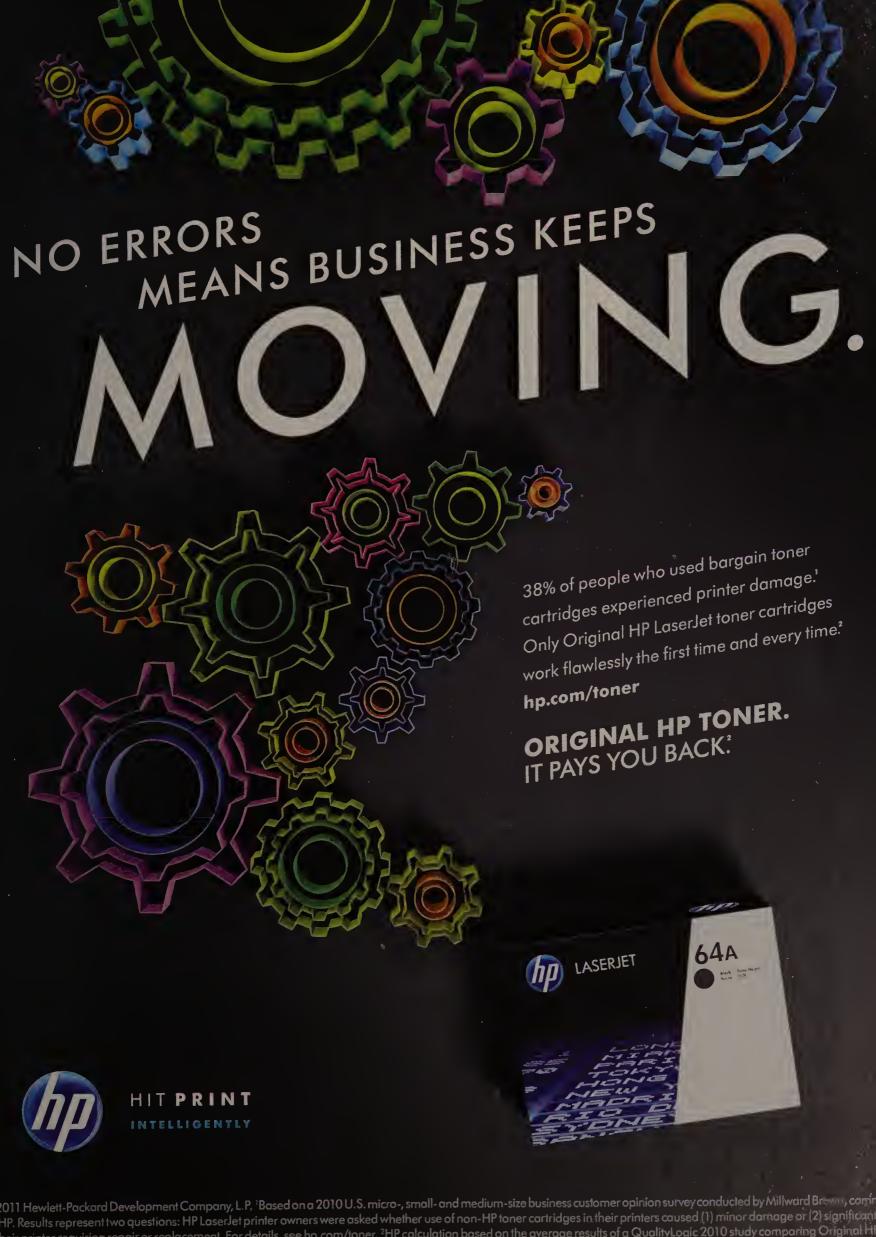
July 2011, Volume 28, Issue 7

Mocworld is a publication of Mac Publishing, L.L.C., and International Data Group, Inc. Macworld is an independent journal not affiliated with Apple, Inc. Copyright © 2011, Mac Publishing, L.L.C. All rights reserved. Mocworld, the Macworld logo, Mocworld Lob, the mouse-ratings logo, PriceGrobber, MacCentral.com, and Mac Developer Journal are registered trademarks of International Data Group, Inc., and used under license by Mac Publishing, L.L.C. Apple, the Apple logo, Mac, and Mocintosh are registered trademarks of Apple, Inc. Printed in the United States of America.



INTERNATIONAL DATA GROUP CHAIRMAN OF THE BOARD Patrick J. McGovern

IDG COMMUNICATIONS, INC. CEO





Macworld

PRESIDENT AND CEO

SENIOR EXECUTIVE **ADMINISTRATOR**

SENIOR VP, SALES AND MARKETING

Stacey Levy (415/978-3255)

DIRECTOR OF SALES

Gabe Rogol (415/974-7373)

ACCOUNT DIRECTORS
Amy Singer (201/634-2317) Kathy Rebello (508/820-0440)

ACCOUNT EXECUTIVE
Paul Moretti (415/243-3575)

SALES ASSOCIATE

Shari Redan (207/899-2099)

SOUTHWEST

ACCOUNT DIRECTOR

Cindy Hamilton (949/442-4005)

SENIOR ACCOUNT EXECUTIVE

Duane Hampson (415/978-3133)

SALES ASSOCIATE

Chrissy Schneider (415/978-3269)

NORTHWEST

ACCOUNT DIRECTORS

Elaine Ebner (415/267-4578) D'avid White (415/243-3664)

SALES ASSOCIATE

Nelson Hong (415/978-3266)

MARKETING MANAGER

MARKETING INTERN

DIRECTOR, AD OPERATIONS

AD OPERATIONS SPECIALIST

AD OPERATIONS COORDINATOR

SENIOR DIRECTOR. PROGRAM DEVELOPMENT

PROJECT MANAGER, SALES

Leilani Lopez

SALES ASSOCIATES

Nelson Hong, Shari Redan Chrissy Schneider

CONTENT DIRECTOR, PCWORLD | MACWORLD CONTENT WORKS

CONTENT MANAGER, PCWORLD | MACWORLD CONTENT WORKS Michael Ansaldo

DIRECTOR, PRODUCTION

PREPRESS MANAGER

PRODUCTION SPECIALIST

SENIOR VP/GENERAL MANAGER,

Mark Goodrich

VP, MOBILE PRODUCTS

VP, AUDIENCE DEVELOPMENT AND ANALYTICS

Alexa Wriggins

DIRECTOR, PROGPAM AND **PROJECT MANAGEMENT**David Lake

SENIOR PROJECT MANAGER

PRODUCT MANAGER, MOBILE

SENIOR MANAGER, AUDIENCE DEVELOPMENT

DW Malouf

NEWSLETTER SERVICES MANAGER

RESEARCH MANAGER

RESEARCH ANALYST

SOCIAL MEDIA COORDINATOR

Toni Panayotov

CTO/VP, PRODUCT DEVELOPMENT

IT & WEB OPERATIONS Sean Greathouse

IT MANAGER

SYSTEMS ANALYST

Eileen Quan

IT TECHNICIAN

SENIOR SYSTEM/NETWORKS **ADMINISTRATOR**

ADMINISTRATOR

Andrew Trice

DIRECTOR, SOFTWARE

Kieran Fitzpatrick

CHIEF ARCHITECT

SENIOR SOFTWARE DEVELOPERS

Alexis Barrera, Bill Cappel, Justin Counts, Christian McKeegan, Wei Ming Xu

QA & RELEASE MANAGER Bhramara Thallapragada

DIRECTOR, ONLINE DESIGN

USER INTERFACE DESIGNER

USER INTERFACE DEVELOPER

WEB PRODUCER

SENIOR VIDEO PRODUCER

PROCIRC SUBSCRIPTION

MANAGEMENT

Megan Guard

PROCIRC RETAIL SOLUTIONS

VP, HUMAN RESOURCES

Kate Coldwell

SENIOR HUMAN RESOURCES REPRESENTATIVE

SENIOR VP, CFO/COO

DIRECTOR, FINANCIAL AD

DIRECTOR, ADVERTISING ACCOUNT

Kevin Greene

BILLING CLERK

Mason Townsend DIRECTOR, ACCOUNTING

STAFF ACCOUNTANT Scott Lum-Duenas, Stephanie Man

HOW TO CONTACT MACWORLD STAFF

Our offices are located at 501 Second Street, 6th Floor, San Francisco, CA 94107; phone, 415/243-0505; fax, 415/243-3545. Macworld staff can be reached by e-mail at firstname_lastname@macworld.com.

LETTERS TO THE EDITOR

Send comments about any aspect of Macworld to letters@ macworld.com. Due to the high volume of mail we receive, we can't respond to each letter. We reserve the right to edit all submissions. Letters published in *Macworld* or on Macworld.com become the property of Mac Publishing.

BACK ISSUES OF MACWORLD

Starting with the March 2003 Macworld, back issues can be downloaded in digital format, from www.zinio.com (\$6.99; Mac OS X 10.1 or later required). Print-format back issues (subject to availability) cost \$8 per issue for U.S. delivery, and \$12 for international delivery, prepayment in U.S. currency to Macworld is required. Send a check or money order to Macworld Back Issues, PO. Box 37781, Boone, IA 50037-0781; or phone 800/288-6848 (U.S. and Canada) or 515/243-3273 (all other locations).

REPRINTS AND PERMISSIONS

You must have permission before reproducing any material from Macworld. Send e-mail to permissions@macworld.com; please include a phone number.

MAILING LISTS

We periodically make lists of our customers available to mailers of goods and services that may interest you. If you do not wish to receive such mailings, please write to us at *Macworld*, PO. Box 37781, Boone, IA 50037-0781, or e-mail us at subhelp@ macworld.com. Please include a copy of your mailing label or your

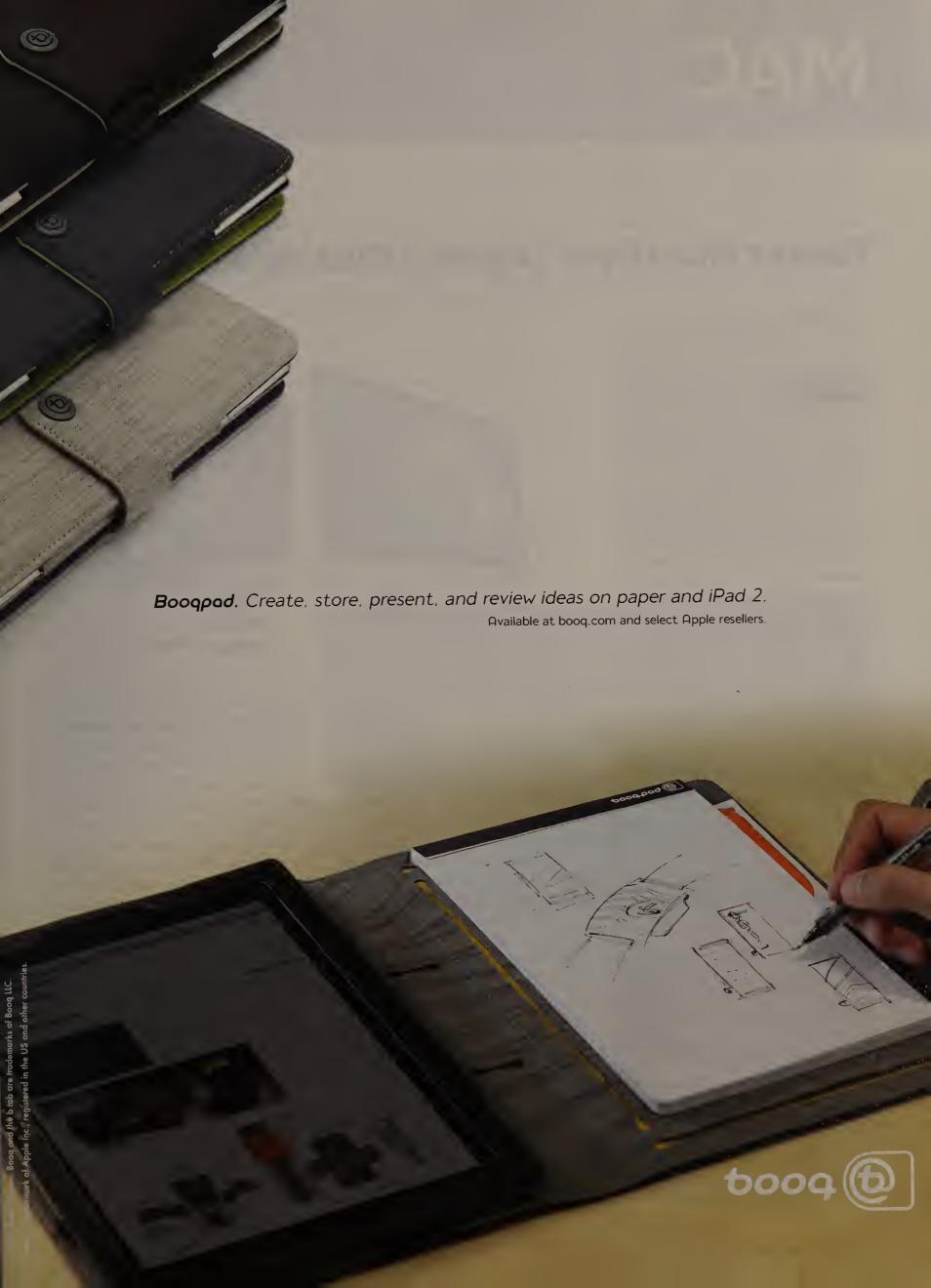
MACWORLD CONFERENCE & EXPO

As the flagship sponsor of Macworld Conference & Expo, Macworld encourages all subscribers to attend this exciting annual industry event. For information, please visit www macworldexpo.com.









MACUSER

News and Analysis about Macs, OS X, and Apple

Faster than Ever (Again): Blazing New iMacs

All-in-one Macs feature fast connectivity technology, new processors

BY JAMES GALBRAITH

REVIEW In May, Apple updated its iconic line of iMac desktop computers with new Intel processors, new graphics, and new device connectivity. All of this provides the latest iMacs with welcome speed boosts.

Apple offers four standard-configuration models. The new entry-level \$1199 21.5-inch iMac has a 2.5GHz Core i5 quad-core processor, a 500GB hard drive, and AMD Radeon HD 6750M graphics with 512MB of video memory. The \$1499 21.5-inch iMac has a 2.7GHz Core i5 quad-core processor, a 1TB hard drive, and AMD Radeon HD 6770M graphics with 512MB of video memory. The \$1699 27-inch iMac has the same processor, memory, and graphics as the \$1499 21.5-inch iMac. At the top of the line sits a

Macworld Lab Test

Speedmark 6.5 Test Results

21.5-inch iMac Core i5/2.5GHz	=	215
21.5-inch iMac Core i5/2.7GHz		223
27-inch iMac Core i5/2.7GHz		222
27-inch iMac Core i5/3.1GHz		227
21.5-inch iMac Core i3/3.06GHz (mid-2010)	174	
21.5-inch iMac Core i3/3.2GHz (mid-2010)	179	
27-inch iMac Core i3/3.2GHz (mid-2010)	177	
27-inch iMac Core i5/2.8GHz (mid-2010)	19	96

Longer bars are better. Reference systems are in *italics*. Speedmark 6.5 scores are relative to those of a 2.4GHz Core 2 Duo Mac mini (mid-2010) with 2GB of RAM, which is assigned a score of 100. For more on Speedmark 6.5 test results, go to macworld.com/6647.—MACWORLO LAB TESTING BY JAMES GALBRAITH, MAURICIO GRIJALVA, ANO WILLIAM WANG



\$1999 27-inch iMac with a 3.1GHz Core is quad-core processor, a 1TB hard drive, and AMD Radeon HD 6970M graphics with 1GB of video memory.

The Core i5 quad-core processors are based on Intel's Sandy Bridge microarchitecture, which integrates the CPU, cache, and memory controller on one chip, allowing for fast data access. Each iMac has 6MB of shared L3 cache and support for Intel's Turbo Boost, which allows the processor to automatically speed up cores when needed.

The \$1199 21.5-inch iMac has a 500GB, 7200-rpm hard drive and no upgrade options. The three other iMac models have a 1TB, 7200-rpm hard drive and options to upgrade to a 2TB hard drive for \$150, a 256GB solid-state drive (SSD) for \$500, or a combination of a 256GB SSD and either a 1TB (\$600) or a 2TB hard drive (\$750).

Thunderbolt

Thunderbolt is a new external connector that can be used to attach Mini Display-

Port monitors and Thunderbolt-equipped storage devices. Thunderbolt offers data transfer speeds up of 10 gbps, which is 12 times faster than FireWire 800 and 20 times faster than USB 2.0. The 21.5-inch iMacs have one Thunderbolt port, and the 27-inch iMacs have two.

At the time of the iMac's release,
Thunderbolt cables, drives, and adapters
were not available. For those of you with
a Thunderbolt-equipped MacBook Pro,
you can use the new iMac's Target
Display Mode feature, which allows you
to use the iMac as a second display for
the MacBook Pro. But the Thunderbolt
cable that's required to use the Target
Display Mode feature wasn't available at
press time.

FaceTime HD

At the top of the iMac sits a new FaceTime HD camera. Along with the FaceTime application, the new camera allows you to make video calls to other FaceTime clients in 720p resolution. Some applications, such as PhotoBooth,

don't yet support 720p resolution; it's up to the application developers to update their software.

While video-chatting, I noticed just subtle differences between the iSight camera on the older iMacs and the FaceTime HD camera on the new iMacs; however, I saw a much higher level of detail from the FaceTime HD camera when I looked at a document I held in front of each camera.

Performance

In our overall system performance test suite, Speedmark 6.5, the four new Sandy Bridge iMacs are considerably faster than the systems they replace. The new \$1199 21.5-inch iMac with a 2.5GHz Core i5 quad-core processor was nearly 24 percent faster overall than last year's entry-level 21.5-inch iMac, which had a 3.06GHz Core i3 dual-core processor.

The new \$1199 iMac even beat out last year's high-end standard-configuration model, a 27-inch iMac with a 2.8GHz Core i5 quad-core processor, by nearly 10 percent. Test results for processor-intensive tasks on these two iMacs were very close, but disk-based functions were all considerably faster on the \$1199 iMac.

The new \$1699 iMac was 25 percent faster overall than the 27-inch iMac with a 3.2GHz Core i3 dual-core processor from last year. The older iMac outperformed the \$1699 iMac in disk-based tasks, but everything else was faster on the new \$1699 iMac—up to 70 percent faster in some tests.

The new \$1999 iMac was 16 percent faster than the previous high-end standard-configuration model, a 27-inch iMac with a 2.8GHz Core i5 quad-core processor.

Surprisingly, when compared with each other, the new iMacs logged similar performance numbers. In fact, only 12 Speedmark points separate the entry-level \$1199 iMac and the top-of-the-line \$1999 iMac.

Macworld's Buying Advice

The 2011 iMacs bring the product line up-to-date with the latest Intel proces-

sors. The inclusion of Thunderbolt and SATA-3–compatible drive connections makes them ready for the next generation of storage devices.

The \$1199 21.5-inch iMac offers the most bang for the buck, keeping up with its more-expensive siblings. Its drawbacks include the lowest capacity hard drive in the lineup, slower 3D game performance at higher resolutions, and a lack of customization options. The \$1499 21.5-inch iMac offers a larger hard drive and modest processing and 3D-game performance gains compared with the \$1199 model. It's the model you must choose if you want to customize your machine with a faster processor or different storage options.

For people who want a larger display, the \$1699 27-inch iMac is the better value, since it's overall performance isn't that much slower than the high-end \$1999 27-inch iMac. However, the \$1999 iMac offers much better graphics performance if you're into gaming or do a lot of video or 3D work. It also offers an upgrade to a 3.4GHz Core i7 quad-core processor (for \$200).

James Galbraith is Macworld's lab director.

21.5-Inch Core i5 iMac/2.5GHz

\$\$\$\$; \$1199; Apple, www.apple.com; full review, macworld.com/7197

21.5-Inch Core i5 iMac/2.7GHz

\$\$\$\$; \$1499; Apple, www.apple.com; full review, macworld.com/7198

27-Inch Core i5 iMac/2.7GHz

\$\$\$\$; \$1699; Apple, www.apple.com; full review, macworld.com/7199

27-Inch Core i5 iMac/3.1GHz

\$\$\$\$; \$1999; Apple, www.apple.com; full review, macworld.com/7200

PRODUCT	5PECS	RATING	PRICE	DISPLAY	SPEED- MARK 6.5 A	FIND CODE
DESKTOP	and the second s					- Just of a con-
іМас	Intel Core i5/2.5GHz (quad-core)	****	\$1199	21.5 inches	215	7197
	Intel Core i5/2.7GHz (quad-core)	****	\$1499	21.5 inches	223	7198
Approximate Approx	Intel Core i5/2.7GHz (quad-core)	****	\$1699	27 inches	222	7199
	Intel Core i5/3.1GHz (quad-core)	****	\$1999	27 inches	227	7200
Mac Mini	Intel Core 2 Duo/ 2.4GHz	****	\$699	not included	100	6304
Mac Pro	Intel Xeon/2.8GHz (quad-core)	****	\$2499	not included	207	6458
	Intel Xeon/2.4GHz (eight-core)	****	\$3499	not included	216	6459
	Intel Xeon/2.66GHz (12-core)	****	\$4999	not included	261	6460
PORTABLE						
MacBook	Intel Core 2 Duo/ 2.4GHz (white)	****	\$999	13 inches	99	6207
MacBook Air	Intel Core 2 Duo/1.4GHz, 64GB	* * * * * * * *	\$999	11 inches	85	6692
100 m	Intel Core 2 Duo/1.4GHz, 128GB	*** *********************************	\$1199	11 inches	84	6691
	Intel Core 2 Duo/1.86GHz, 128GB	****	\$1299	13 inches	108	6694
	Intel Core 2 Duo/1.86GHz, 256GB	****	\$1599	13 inches	108	6693
MacBook Pro	Intel Core i5/2.3GHz (dual-core)	****	\$1199	13 inches	140	7002
a national resident	Intel Core i7/2.7GHz (dual-core)	****	\$1499	13 inches	155	7003
	Intel Core i7/2GHz (quad-core)	****	\$1799	15 inches	175	7004
	Intel Core i7/2.2GHz (quad-core)	***** ¹ / ₂	\$2199	15 inches	209	7005
	Intel Core i7/2.2GHz (quad-core)	88883	\$2499	17 inches	210	7006

Apple Stores at 10: What Went Right

Stores specialize in the complete Apple experience

BY GARY ALLEN

n May 19, 2001, the first Apple Retail Stores appeared, one in McLean, Virginia, and the other in Glendale, California. Ten years and over 300 stores later, Apple Retail Stores are key to the Apple experience.

So far, other retailers haven't been able to duplicate Apple's success. Not that the individual elements of Apple's retail success are that difficult to reproduce. Rather, it's the personal commitment to excellence by Apple's retail team that is tough to copy.

When Ron Johnson, Apple's senior vice president for retail, arrived in Cupertino in 2000, he marveled at Apple's products. Johnson and his team focused on creating a superior

experience for store visitors, one that would include the perfect store location, impressive architecture, inviting interior design, and incredible employees.

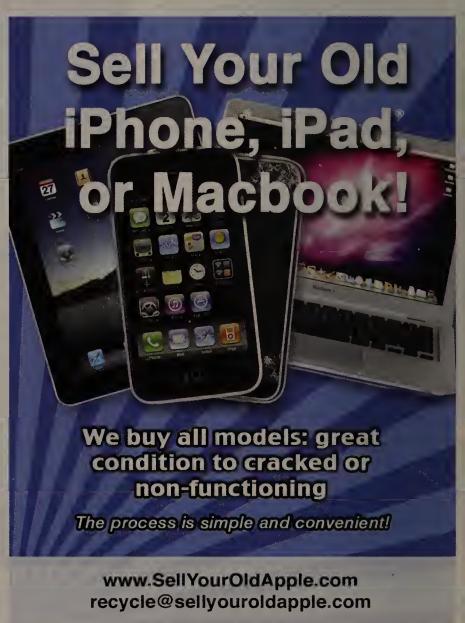
Johnson has an MBA from Harvard, and he means business; but he's also a creative soul who, like Steve Jobs, is focused on aesthetics, design, and quality. It was Johnson who decided to model the stores after great libraries.

"We don't want the store to be about the product," Johnson has said, "but about a series of experiences that make it more than a store." To that end, Apple's stores host an amazing schedule of events and experiences. From the beginning, Johnson decided



Ron Johnson, Apple senior VP, retail





Apple Stores are, in Johnson's words, inviting, approachable, warm, interactive, and intelligent. "Apple is never about being tricky," Johnson has said. "It's about being common." That's why they use natural materials like stone, wood, glass, and stainless steel, all in a neutral palette, bathed in deliberately designed lighting. "Every little element in the store is designed to these very details," according to Johnson.

In an innovative move, Johnson also came up with the concept for the Genius Bar. Although its mission is to provide technical support, its execution reached customers on a personal level. Now, the Genius Bars provide a daily opportunity for Apple to surprise and delight store visitors, another guiding principle for the stores.

Worldwide Success In ten years, Apple has opened more than 300 Apple Retail Stores, including this one in the Pudong district in Shanghai, China.



In a span of ten years, Apple has changed the way technology is presented and sold, converting it from a cold and impersonal interaction to one that highlights the creative, fun side. There were many skeptics when Apple's first stores opened in 2001, but now companies everywhere are scrambling to replicate the company's success.

Gary Allen is the founder and editor of ifoAppleStore.com, which has covered the business of the Apple Retail Store for nearly eight years.

For more coverage on the Apple Retail Store anniversary, go to macworld .com/7210.



The portable playground for iPad

Just Mobile Slide™ is the take-anywhere, at thing iPad/ iPad 2 stand. Designed by the away winning team at tools®, the innovative Slide™ is crafted from a single piece of high-grade aluminum – but its secret weapon is the high-friction rubber cylinder stowed in its tubular support.

Simply place the cylinder at the top of the Slide™, lay your iPad on top and lift it to exactly the angle you require. The cylinder will roll down to hold your iPad firmly in place in both portrait or landscape mode, providing solid support for typing, swiping and gaming at any angle.









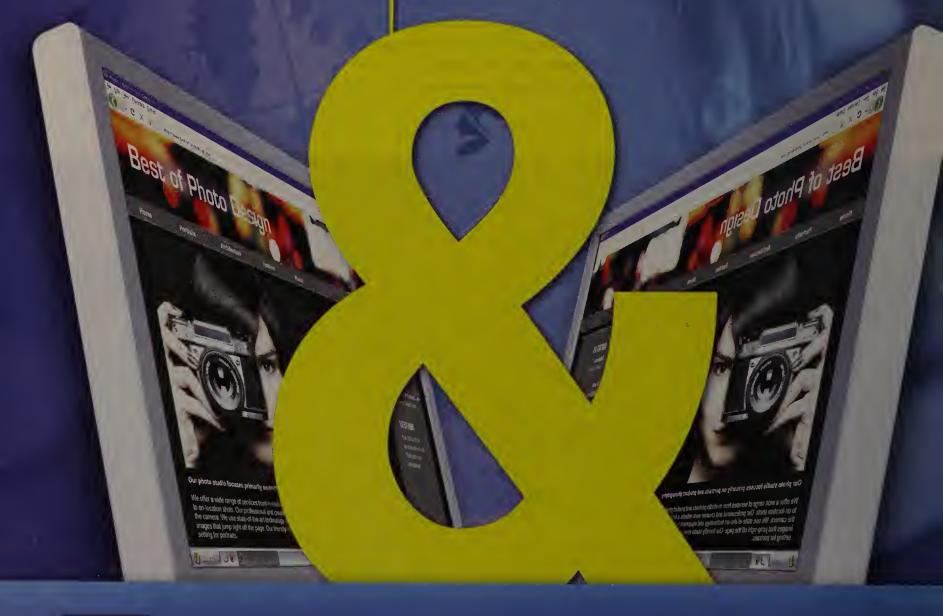
WEB HOSTING. TWICE AS SECURE.

181 DUAL F

Double Security, Double Reputability:

No one can afford downtime of their website...

1&1 is now offering dual hosting for the ultimate security of your website. Your website is hosted in two different locations in our data center. If the first location is unexpectedly interrupted, your site will automatically continue running in the second location — without any data loss.



MEMBER OF united internet

OSTING

No other web host offers as much expertise, know-how and quality as 1&1:

1&1 combines over 20 years of web hosting experience with the latest technology in our high-speed and high-performance American data center. More than 1,000 IT professionals will continue to develop our top performance web solutions for years to come. NEW: 1&1 is pleased to offer double security for your website with 1&1 Dual Hosting! All at unbeatably low prices!



Double Security: 1&1 Dual Hosting



Fast Global Network Connectivity: 210 GBit/s Connection



Top Performance: High-end Servers



Environmentally Responsible: 100% Renewable Energy



Solid Technical Foundation: Over 1,000 In-house Developers

NEW!

1&1 DUAL UNLIMITED

- 3 FREE Domains
- FREE Private Domain Registration
- **UNLIMITED** Web Space
- **UNLIMITED** Traffic
- UNLIMITED FTP Accounts
- UNLIMITED E-mail Accounts (2 GB)
- **UNLIMITED** Mailing Lists
- 20 Microsoft® SQL Databases
- ASP, .NET, AJAX, LINQ, PHP, Perl, SSI
- GeoTrust® Dedicated SSL Certificate
- NEW! 1&1 SiteAnalytics
- 99.99% Uptime
- 24/7 Toll-free Customer Support

1&1 DUAL UNLIMITED \$ 99. per month* (36 month term)

\$11.99/month (24 month term) \$12.99/month (12 month term) \$13.99/month (3 month term)

Please see following page for more 1&1 DUAL HOSTING packages.



1-877-GO-1AND1

1-855-CA-1AND1

www.1and1.com www.1and1.ca



Apple Keeps Raking in the Big Bucks

iPhone, iPad drive the company's 2011 Q2 revenue; laptops dominate Mac sales

BY PHILIP MICHAELS

or its fiscal 2011 second quarter,
Apple reported sales of \$24.67
billion and a net profit of
\$5.99 billion, according to
figures announced by the
company in April.

Apple's quarterly revenue, a record figure for the second quarter, beat year-ago sales by 83 percent. Profits also set a record for the quarter, and improved 95 percent on the \$3.07 billion in profit the company tallied in the 2010 second quarter.

Apple earned \$6.40 per share, beating last year's second-quarter earnings of \$3.33 per share by 92 percent.

Apple says that it sold 18.65 million

iPhones during the quarter, which ended March 26. That's an increase of 113 percent from the 8.75 million phones

Apple sold over the same period last year.

Apple sold 3.76 million Macs during the second quarter, an increase of 28 percent over the 2.9 million Macs sold during the year-ago period. That set a record for Mac sales during the March quarter.

Laptops continue to be the big driver for Mac sales, with the 2.7 million portables making up 73 percent of the Macs sold during the quarter. In addition to the February revamp of the MacBook Pro line, Apple also reaped the benefits of last year's MacBook Air updates.

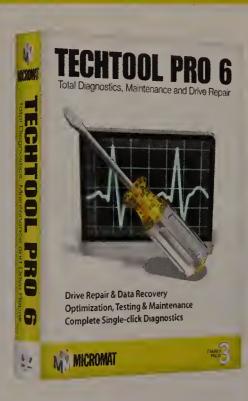
The iPad 2 shipped at the end of the quarter, on March 11 in the United States and on March 25 in 25 additional countries, which helped spur sales of Apple's tablet. All told, Apple sold 4.69 million iPads during the quarter, though it didn't break down those sales between the iPad 2 and the original model.

iPod sales continued their decline, though Apple says that the product line's performance was ahead of expectations. The company sold 9.02 million iPods during the quarter, a drop of 17 percent from last year's second-quarter figures. More than half of the iPods sold during the quarter were iPod touch models, according to Apple's figures.

TECHTOOL PRO 6

Total Diagnostics, Maintenance and Drive Repair

TechTool Pro 6 delivers hardware diagnostics, drive repair and daily maintenance for Mac



- Easy to use
- Mac Diagnostics
- ✔ Drive Repair
- Directory Backup
- ✓ Data Recovery
- ✓ Volume Cloning
- Smart Alerts
- ✓ Optimization
- ✓ Works with SSD's
- ◆ Boot DVD not Required
- ✓ LAN Monitoring via Bonjour
- ✓ Family Packs for household of 3

Order online or call now! 707.566.3831 www.micromat.com







Built for Speed: MacBook Pro with 2.3GHz Core i7

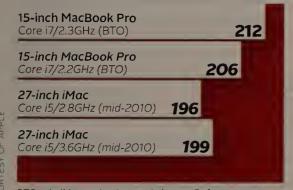
Macworld Lab tests the CPU option for the 15-inch laptop

BY JAMES GALBRAITH

hen Apple releases new computers, the company offers a range of preconfigured systems. While these systems fit the needs of most shoppers, Apple offers a lengthy list of build-to-order (BTO) options for users who want to outfit the computer to better suit their needs. One such option is a processor upgrade for the standard \$2199 15-inch MacBook Pro (*****; macworld.com/7005), which has a 2.2GHz Core i7 quad-core processor with 6MB of L3 cache. For an extra \$250, you can replace the processor with a 2.3GHz Core i7 quad-core

Macworld Lab Test

Speedmark 6.5 Test Results



BTO = build to order. Longer is better. Reference systems are in *italics*. Speedmark 6.5 scores are relative to those of a 2.4GHz Core 2 Duo Mac mini (mid-2010) with 2GB of RAM, which is assigned a score of 100. For more on Speedmark 6.5, go to macworld.com/6647.—MACWORLD LAB TESTING BY JAMES GALBRAITH, MAURICIO GRIJALVA, AND WILLIAM WANG

processor that also comes with a larger L3 cache of 8MB.

In Speedmark 6.5, our system performance testing suite, we found the BTO 2.3GHz Core i7 MacBook Pro to be only 3 percent faster overall than the 2.2GHz Core i7 standard model. Graphics scores and times for hard-drive tasks were basically identical between the two systems, but processor-intensive tasks favored the 2.3GHz Core i7 upgrade. The biggest speed improvements were in our iPhoto import test and our Parallels test running PCWorld's WorldBench multitasking tests: The 2.3GHz Core i7 MacBook Pro finished 8 percent faster than the 2.2GHz Core i7 MacBook Pro in both tests. In our HandBrake test (which rips a DVD movie to the hard drive), our iPhoto import test, and our Aperture import and processing test, the 2.3GHz Core i7 MacBook Pro was 4 percent faster.

Overall, the BTO 2.3GHz Core i7 MacBook Pro was 8 percent faster than a mid-2010 27-inch iMac with a 2.8GHz Core i5 quad-core processor, and 7 percent faster than a BTO mid-2010 27-inch iMac with a 3.6GHz Core i5 dual-core processor.

For more on this \$2449 BTO MacBook Proconfiguration, see macworld.com/7211.

SECURE & SAVE!

1&1 DUAL BASIC

- 1 FREE Domain
- 10 GB Web Space
- UNLIMITED Traffic
- NEW! 5 FTP Accounts
- NEW! 1&1 SiteAnalytics

\$2.99 per month*

1&1 DUAL ADVANCED

- 2 FREE Domains
- 150 GB Web Space
- UNLIMITED Traffic
- NEW! 50 FTP Accounts
- NEW! 1&1 SiteAnalytics

\$4.99 per month*

1&1 Domains with FREE Private Registration starting at \$3.99 first year!*

HURRY – DOMAIN OFFER ENDS 6/30/2011!

 Visit www.landl.com for full promotional offer details.
 Program and pricing specifications and availability subject to change without notice.



www.1and1.com



www.1and1.ca



1&1 and the 1&1 logo are trademarks of 1&1 internet AG, all other trademarks are the property of their respective owners.

© 2011 1&1 Internet, Inc. All rights reserved.

MAC GEMS Discover Great, Low-Cost Mac Products By Dan Frakes

Airfoil 4.0.2

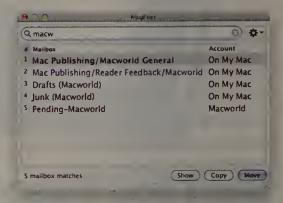
Audio Apple's AirPlay technology (formerly called AirTunes) lets you stream audio from iTunes to any compatible AirPlay device: an AirPort Express, an Apple TV, or an AirPlay-equipped audio system. But for content that isn't contained in your Mac's iTunes library, there's Airfoil. This utility lets you stream any audio—from any program—on your Mac to any of those devices, as well as to other computers (Macs, Windows PCs, or Linux PCs) running Rogue Amoeba's free Airfoil Speakers application, and to iOS devices running the free Airfoil Speakers Touch app. As with AirPlay from within iTunes, you can stream audio to multiple devices simultane-



ously; when using the included Airfoil Video Player, you can even stream a video's soundtrack and—the tricky part—keep the audio and video in sync.

Airfoil is easy to use: Launch the application, and you see a list of all Airfoil-compatible devices available on your local network; select the devices to which you wish to send audio. (You can adjust the volume for each device separately.) From a pop-up menu at the top of the Airfoil window, you then choose the program providing the audio you want to stream. (Or you can instead choose one of your computer's audio sources—its built-in analog or digital audio inputs, for example.) Like magic, the audio streams to the enabled devices.—**CHRISTOPHER BREEN**

*** \$\frac{1}{2}; \$25; Rogue Amoeba; macworld.com/7142



MsgFiler 3.0.1

MsgFiler has become indispensable for managing messages in Apple's Mail. With MsgFiler running, you select one or more messages, press MsgFiler's keyboard shortcut, and type the first few letters of the desired mailbox. MsgFiler shows a list of all matching mailboxes, sorted by relevance. If the desired mailbox is listed first, just press Return—your message(s) are instantly moved. Otherwise, type a few more letters of the desired mailbox's name, or use the down-arrow key to move down the list.

MsgFiler's filing process soon becomes second nature, and it's a whole lot easier on your hand, wrist, and arm than using a mouse or trackpad. You can also set frequently accessed mailboxes as favorites that always appear at the top of the results list, copy messages instead of moving them, add color labels to messages, and create new mailboxes right from within the MsgFiler window.



Time Out Free 1.5.7

Moom 1.1

UTILITIES No matter what you do on your Mac, you need to deal with windows. You regularly resize and reposition windows, but chances are you also regularly line up a couple windows side by side. Moom's goal is to make it easier to make these kinds of adjustments, and it does so by using Mac OS X's own interface for zooming windows: namely, the green "zoom" button in the upper left corner of every window.

With Moom installed, move the mouse cursor over this little green circle and a small row of iconic buttons appears. Each button illustrates one of Moom's standard window layouts: full screen or filling exactly half of the screen on the left, right, top, or bottom. Click the button for the window layout you desire, and, like magic, the window is moved and resized appropriately. Click-drag one of these half-screen buttons, and you can reposition the window to fill a quarter of the screen or to move it



to a different screen. Moom also provides keyboard controls for these options, as well as for a few extras. For example, you can use the keyboard to move the current window, at its current size, in 1- or 50-pixel increments; or you can use it to move the window to another display. You can also configure each of the Return, Spacebar, and Tab keys to either zoom the current window to fill the screen, move the window to the center of its current display, or restore the window to its original size and location.

** \$\$ \$\$; Many Tricks; macworld.com/7145

MailTabs for

Mail.app

E-MAIL Many Macworld readers have pined for Web-browser-like tabs in Apple's Mail. MailTabs for Mail.app (macworld.com/7147), currently in beta, delivers just that.

Once you install MailTabs, any Mail action that would normally result in a new window—such as composing a new message, replying to a message, opening a message in its own window, or opening a new main Mail window—instead opens that window in a tab that appears in a new tab bar just below Mail's toolbar. You can drag tabs to reorder them (although you can't drag a tab off the tab bar to open it in a separate window). To close a tab, you click its close (X) button.

MailTabs is currently far from complete, but I'm looking forward to its official release.

Go to Weblog

Read Mac Gems online (macworld.com/macgems) for longer reviews of these and other products.



Divvy 1.2.3

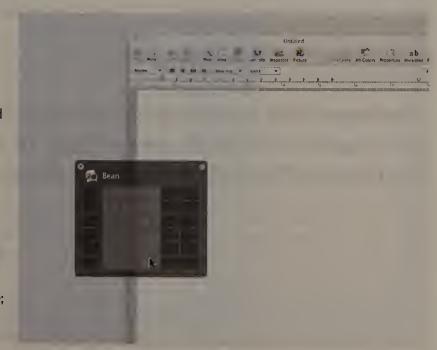
very different approach. Click Divvy's systemwide menu-bar icon (or press its configurable keyboard shortcut) to bring up a semitransparent grid—by default, displaying six columns and six rows—representing your Mac's display. Click and drag your cursor across these boxes to choose the desired window size and position—you'll see a useful blue preview box on the screen, indicating exactly where the new window will end up—and Divvy immediately resizes and positions the active window to match. If you've got multiple displays, Divvy's interface appears on each screen; to move the window to a different display, you use the Divvy interface on the target screen.

Divvy's setting screen lets you independently increase—up to ten—the number of columns and rows; you also get options for increasing the number of rows or columns for a particular resize action. Divvy also lets you configure keyboard shortcuts for frequently used window sizes and locations. For example, you could set up Control-Shift-L and Control-Shift-R for half-screen windows positioned

against the left and right edges of the screen, respectively.

Once you've used Divvy's grid to move and resize windows, OS X's standard methods of performing these actions feel a bit primitive.

***; \$14; Mizage; macworld.com/



IOS CENTRAL

The Latest on the iPhone, iPod Touch, iPad, and App Store

Manage Your Kids' iOS Purchases

Even with iOS 4.3's changes, you still need to keep close tabs on what your kids buy

BY DAN MOREN

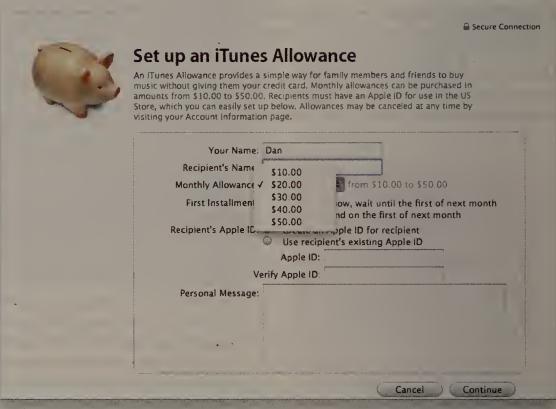
he App Store makes it quick and easy to buy and download new software for your iOS device. But as we noted in the June 2011 issue of *Macworld*, some parents of iPhone-, iPad-, or iPod touch—toting kids found that the process might be a little bit *too* easy. It's true that Apple instituted new rules in iOS 4.3 that aim to stop kids from racking up outrageous charges on their parents' credit card bill. But some of the burden still falls on the parents to secure an iOS device before handing it off to their child.

If your kids have iOS devices of their own, there are two options for exerting more control: one that prevents your child from purchasing *anything* from the App Store or iTunes Store and another that controls purchases through a monthly allowance.

Option 1: Disable Purchases Altogether

Here's how to entirely disable purchases, including in-app purchases, from the App Store and iTunes Store.

Step 1: Enable Restrictions Navigate to Settings ► General ► Restrictions.



Monthly Amount With an iTunes allowance, you can specify how much money you want to give your child each month. Options start at \$10 and go up to \$50.

a little harder to figure out for your iOS device.

Step 2: Disable the App Store and the iTunes Store Once you've enabled restrictions, you'll have plenty of options to choose from. If you're worried about

iTunes Store, you can also slide the iTunes switch to Off, and that ability will likewise vanish.

Step 3: Disable In-App Purchases

Even if the App Store is disabled, your child may still be able to access in-app purchases from apps that you've already installed. Just scroll down to the Allowed Content section, and tap the switch next to In-App Purchases so it reads Off.

You have two options to control your kids' iOS purchases—prohibit everything, or manage purchases through a monthly allowance.

On this screen, tap Enable Restrictions at the top. You'll be prompted to enter and verify a four-digit code. Remember to pick something that your child isn't likely to guess: '1234' might be a fine combination for your luggage, but you probably want something that's

your child installing applications, simply slide the Installing Apps switch to Off, and the App Store will be removed entirely from the device. (Previously purchased apps will continue to work fine.) If you also want to restrict your child's ability to buy media from the

Option 2: Set Up an iTunes Allowance

If your children are of an age where you're comfortable giving them the ability to purchase some apps on their own, an iTunes allowance is an excellent way to control their spending. You can set up a separate iTunes account for

Allowed Content:		
In-App Purchases	ON	
Ratings For	United States	>
Music & Podcasts	Explicit	>
Movies	All	>
TV Shows	All	>
Apps	All	>

Not Allowed In Settings, you can disable In-App Purchases (as well as restrict purchases of other iTunes content).

them, complete with a monthly limit of how much they can spend—and you can even restrict it to age-appropriate apps.

To set up an allowance, you'll need your own Apple ID, and it will need to be linked to a credit card. If you have your own iOS device or buy media from the iTunes Store, you already have an account. Keep in mind that since the iTunes Store and App Store use the same account, the allowance will apply to purchases from both, unless you disable one or the other of the stores as per the instructions mentioned previously.

Step 1: Buy an iTunes Gift When you're in the iTunes Store on your Mac, click on the Buy iTunes Gifts link in the Quick Links box along the right edge. On the subsequent page, scroll down until you see Allowances and click the Set Up An Allowance Now link.

Step 2: Set Up the Allowance Fill out the form on the subsequent screen by entering your name and the name of your child, and by selecting the amount of the allowance—options include \$10, \$20, \$30, \$40, and \$50. Remember that this amount will be charged to your own credit card each month. (You have the option of waiting to start until the first day of the next month or starting the allowance right away with an immediate charge.)

One piece of good news: If there are any unused funds left over at the end of a month, they will roll over to the next month.

If your child already has an Apple ID, enter it here. If not, you can create a new account. Remember that when asked for a payment method for the new Apple ID, you can choose None. If you enter a credit card number, you will be charged for any purchase that goes beyond the allowance that you set up.

When you're done, click Continue. Confirm the details and then purchase the allowance. Recipients will get an e-mail message letting them know that you've purchased an allowance for them, as well as how much it's for.

step 3: Manage Allowances You can review your allowances by going to your account settings in the iTunes Store and clicking Manage Allowances. You'll see a list of all your current allowances, along with the ability to suspend, remove, or change the amount for any of them. You can also create additional

allowances from here if you so choose.

Step 4: Select Any Restrictions Even if you're giving your kids the ability to buy their own apps, you may want to have a say in the kinds of programs they're buying.

Once again, you'll visit Settings ➤ General ➤ Restrictions on their iOS devices. If you haven't already, tap Enable Restrictions, and choose a four-digit passcode.

Under the Allowed Content header, you can choose the appropriate rating levels for music and podcasts, movies, TV shows, and apps. In each case—except for music and podcasts—you can pick which ratings are allowed or choose to completely disable all of the media of that type. For music and podcasts, you can simply choose whether or not material labeled Explicit is allowed.

Dan Moren is a senior associate editor for *Macworld*.

PRODUCT	SPECS	RATING	PRICE*	DISPLAY	PERFORMANCE	FIND CODE®
iPad 2 °	16GB	Wi-Fi, ‡‡‡‡ ¹ ⁄ ₂ ; 3G, ‡‡‡‡	Wi-Fi, \$499; 3G, \$629	9.7-inch color	Up to 10 hours on Wi-Fi; up to 9 hours on 3G	7030 Wi-Fi 7031 3G
	32GB	Wi-Fi, ♦ ♦ ♦ 1 /2; 3G, ♦ ♦ ♦ 1 /2	Wi-Fi, \$599; 3G, \$729	9.7-inch color	Up to 10 hours on Wi-Fi; up to 9 hours on 3G	7032 Wi-Fi 7033 3G
	64GB	Wi-Fi, ♦ ♦ ♦ ½; 3G, ♦ ♦ ♦ ½	Wi-Fi, \$699; 3G, \$829	9.7-inch color	Up to 10 hours on Wi-Fi; up to 9 hours on 3G	7034 Wi-Fi 7035 3G
iPhone 3GS and 4	8GB 3GS (AT&T)	*** ***	\$99	3.5-inch color	9 hours of Wi-Fi Internet; 5 hours of 3G talk time	6255
	16GB 4 (AT&T)	****	\$199	3.5-inch color (Retina)	10 hours of Wi-Fi Internet; 7 hours of 3G talk time	6256
	32GB 4 (AT&T)	****	\$299	3.5-inch color (Retina)	10 hours of Wi-Fi Internet; 7 hours of 3G talk time	6257
	16GB 4 (Verizon)	****	\$199	3.5-inch color (Retina)	10 hours of Wi-Fi Internet; 7 hours of 3G talk time	6943
	32GB 4 (Verizon)	****	\$299	3.5-inch color (Retina)	10 hours of Wi-Fi Internet; 7 hours of 3G talk time	6944
iPod Touch	8GB	*** *	\$229	3.5-inch color (Retina)	40 hours of music playback; 7 hours of video playback	6553
	32GB	****	\$299	3.5-inch color (Retina)	40 hours of music playback; 7 hours of video playback	6554
	64GB	*** * ¹ / ₂	\$399	3.5-inch color (Retina)	40 hours of music playback; 7 hours of video playback	6555

IOS CENTRAL



Coast to Coast An application by data scientists Pete Warden and Alasdair Allan shows how the iPhone tracks cell tower information and logs that data.

Location Dispute Puts Focus on Apple's Data Collection

Apple says it's logging cell tower data, not your movements by DAN MOREN AND LEX FRIEDMAN

our iPhone knows all your comings and goings. And that revelation has some iOS owners up in arms. But is location-data logging that big a deal?

The brouhaha began in April, when a pair of data scientists reported that the iPhone (and the 3G-enabled iPad) keeps a running log of its location. More troubling, that data—including latitude, longitude, and time stamps—is copied to your home computer whenever you connect to it. So anyone with access to your Mac could reconstruct where you've been and when.

Note that when we're talking about location information, what we're really referring to is the locations of Wi-Fi hotspots and cell towers that your phone interacts with. This database of Wi-Fi hotspots and cell towers helps the iPhone quickly establish your location and can also be used when GPS isn't available; in addition, the data is a subset of a larger

collection of location information, combed from millions of iPhone users.

What Apple Logs

Apple responded to the uproar by posting a lengthy Q&A document to its Website (at macworld.com/7195), in which it takes an unequivocal stand: "Apple is not tracking the location of your iPhone. Apple has never done so and has no plans to ever do so," the company says. And that geotagging data your iPhone sends back to Apple can't be used to identify or locate you—the company says it's anonymous.

Bud Tribble, Apple vice president of software technology, reiterated this point at a U.S. Senate hearing in May: "The data that is stored in the database is the location of as many Wi-Fi hotspots and cell phone towers as we can have. That data does not actually contain... any customer information at all."



All the other product names mentioned in this herein are thetrademarks of their respective companies.

Still, Apple conceded that its iOS operating system had a couple of location-related bugs. First, your iPhone was storing a year of location data—"we don't think the iPhone needs to store more than seven days of data," Apple said in its Q&A. And a second bug allowed the iPhone to continue to update location data even after users had turned Location Services off.

Apple Issues Fix

Enter the iOS 4.3.3 update, released in May. That software update reduced the amount of cached location information to one week's worth and ensured that the cache is deleted when you disable Location Services in the device Settings. What's more, the update stopped backing up the data to your Mac or PC when you sync to iTunes, meaning that information is no longer available to anyone with access to your computer. iOS 4.3.3 supports the GSM-based iPhone 4, the iPhone

3GS, the iPad and iPad 2, and the thirdand fourth-generation iPod touch. (Verizon iPhone owners get the same fixes in the iOS 4.2.8 update.) The odd devices out are the iPhone 3G and the second-generation iPod touch, both of which were supported by the original release of iOS 4—when the location database is believed to have been created—but have since been dropped from compatibility.

In addition to the fixes contained in iOS 4.3.3, Apple says that it's going to encrypt the location information on iOS devices in the next major update to the operating system—presumably, iOS 5.

In its support document, Apple also tipped its hand about a future iOS feature involving the data your phone collects. The company says that it's "collecting anonymous traffic data to build a crowd-sourced traffic database with the goal of providing iPhone users [with] an improved traffic service in the next couple of years."

HBO App Arrives for Subscribers Only

Premium cable content from HBO has arrived on your mobile device, in the form of the cable network's much-anticipated HBO Go app (macworld.com/7194). The app brings both HBO original series and hit movies to Apple's iOS devices, but there is a catch: Unless you're already



an HBO subscriber with a participating television provider, you're out of luck. In addition to currently airing programs, HBO Go also provides access to a backlog of older programs, like *Deadwood, The Wire*, and the recently concluded *Big Love*. HBO Go supports video streaming over both Wi-Fi and 3G connections, so you can fire up your favorite show no matter where you are.

Of course, people looking to follow HBO's series without subscribing to the premium channel are still stuck. The network doesn't provide à la carte access via its app (or its Web-based streaming service), and because its currently airing shows aren't available in the iTunes Store, you're pretty much forced to wait until the season is released on DVD—unless you want to pony up for an HBO subscription.

Given HBO's status as a premium channel with its own subscribers, it seems as though the network could stand to make a killing by offering streaming access to users without cable subscriptions, or those who don't want to pay for all of HBO's content. The channel has long proved that its programming alone can drive sales, so it would seem only natural for it to push that envelope into the digital realm and shake off the shackles of the cable providers. Such a time may still come eventually, but apparently that time is not now.—DAN MOREN



Make iOS's Safari Open to a Blank Page

BY DAN FRAKES

ap the Safari icon on the home screen of your iOS device, and instead of being able to use the browser immediately, you often have to wait for it to reload the last page you looked at, even if it's been days since you last used the app. Until Apple makes it possible for Safari to open on a blank page whenever you tap the Safari icon, here's a workaround that uses iOS's Home screen bookmarking feature.

- > Launch Safari on your iPhone, iPad, or iPod touch.
- > In the URL field, type about:blank and then tap Go to open that page—which will be completely blank.
- > Tap the Share button (the one at the bottom of the screen that looks like a rectangle with an arrow).
- > Tap Add To Home Screen to create a Home-screen bookmark for this blank page.
- > In the dialog box that appears, give the icon a descriptive name (such as 'New Page'). Then tap Add.

The Home-screen bookmark is saved to your device's Home screen, where you can move it wherever you like. Whenever



Draw a Blank The blank page Home-screen bookmark takes the form of a blank icon.

you want to open Safari to view a new page, you simply tap this New Page icon on your Home screen. Safari opens—instantly—to a blank page, ready for you to type a URL or open a bookmark.

SPOTLIGHT ON IPAD CASES

Marware Microshell

Clever as it may be, Apple's Smart Cover (****; macworld.com/7055) protects only the screen of your iPad 2. But don't worry, iPad 2 owners—the Marware Microshell iPad 2 case (macworld.com/7157) has got your tablet's back. The case is made of rubberized polycarbonate and is available in five colors. The \$40 Microshell snaps onto the back of your iPad 2, keeping its surface free of scratches while leaving you free to access all of the device's ports and buttons—and, thanks to a cutaway along the left-hand side, to attach a Smart Cover. You can stay protected without sacrificing any style.—MARCO TABINI



What's New at the App Store



Tweetbot Joins the Twitter App Crowd Like many iOS Twitter

clients, Tweetbot (macworld.com/7159) offers the standard array of features for accessing the microblogging service. But developer Tapbots hopes to make its \$2 iPhone app stand out from the crowd by focusing on details, such as different menus of features depending on whether you tap and hold on a tweet or the avatar of a tweet's author. Different swipes also summon different menus of display options.—DAVID CHARTIER



WatchESPN Brings Live Sports to iOS Devices

Cable sports giant ESPN has unveiled an app for streaming its live broadcasts to your iOS device—but to use it you must have the right cable provider. WatchESPN (macworld.com/7158) promises round-the-clock access to live feeds from ESPN, ESPN2, ESPN3, and ESPNU. At launch, the free app works only for Time Warner Cable, Bright House Networks, and Verizon FiOS TV subscribers. ESPN plans to add other cable providers, and an iPad-optimized version may be available by the time you read this.—PHILIP MICHAELS



Facebook Adds Mapping, Unfriending With the 3.4 update to

Facebook's iPhone app (macworld .com/5023), you no longer have to wait until you're back in front of a computer to give someone the boot. Facebook 3.4 adds an unfriending capability, in addition to a new feature that lets you see your friends' Places on Google Maps. The Events tab also now lets users check in at events from their phone.—DANNY GALLAGHER



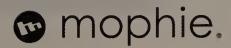
Introducing the mophie workbook for iPad 2



Four interchangeable straps included to let you pick the color to best match your style.



The mophie workbook™ is a super light-weight, ultra-thin adjustable case that doubles as a stand—allowing infinite viewing angles. Integrated magnets automatically wake your iPad when opened and put it to sleep when closed.



APP GUIDE Software for Your iPhone, iPod Touch, and iPad

Angry Birds Seasons HD 1.4.0

GAMES To understand why it's Angry Birds' world and the rest of us are just living in it, grab this holiday-themed version of the physics puzzle behemoth. As with the other Angry Birds installments, you marshall a flock of foulminded fowls against a group of snickering green pigs. The twist here is that the puzzles match the seasons—a recent update added Easter-themed challenges to go with ones for Halloween, Christmas, Saint Valentine's Day, and Saint Patrick's Day. With seasonal background music, this installment has an eye for clever details that sets it apart from other apps.—PHILIP MICHAELS iPad | ####12; \$2; Rovio Mobile; macworld.com/7128



iWorkout Muse Pro 1.4

HEALTH If music is an essential part of your workout, you'll want to include iWorkout Muse Pro in your exercise regimen. The app lets you create a custom interval workout mixed with your own music on your iPhone or iPod touch. This Pro version improves upon the original iWorkout Muse app by offering more options and featuresyou can create up to 25 custom interval workouts with up to 25 iPod-created playlists. It takes a little bit of effort to set up interval timing, but the end result is worth it.—ANN CHIHAK POFF iPhone | ##### \$ 12; \$6; Workout Muse; macworld.com/7129



Mercury Web Browser Pro 4.3.1

WEB Your iOS device comes with a browser, so why turn to a third-party app like Mercury Web Browser? To fill in some of the features missing from the mobile version of Safari. Mercury offers browser tabs—its implementation of that feature is nothing short of excellent. Other features, including customizable themes, download and unzipping support, unique multitouch shortcuts, ad blocking, and screen dimming, make Mercury Web Browser feel more like the desktop version of Safari than its mobile namesake does.—LEX FRIEDMAN iPad/iPhone | ***; \$1; iLegendSoft; macworld.com/7150

APP GEMS

Travel Aides



PAR Lonely Planet Paris City Guide #### If summer

travel takes you to the City of Lights, make sure this guidebook tags along (macworld.com/7156).

We also like:



macworld.com/6660



Zagat To Go **** macworld.com/5519

Find more travel apps at macworld.com/5523.

Friended 1.1.1

SOCIAL NETWORKING Facebook may not have an iPad-optimized app of its own, but this client for the social networking service is a more than capable stand-in. Rather than simply presenting a skinned version of Facebook's mobile site for touchscreens, Friended structures your Facebook data in its own unique way. A multipaned approach offers quick access to your newsfeed, as well as recent pictures, recently active friends, and chat. Friended is well designed and manages to feel more like an app than a Web browser, making it a pleasing way to navigate Facebook on your iPad.—LEX FRIEDMAN iPad | ###### \$1; NapkinStudio.com;

macworld.com/7130





Luxor HD 1.2.2

GAMES Luxor (macworld .com/7131) set the standard for marble-bashing games on the iPhone; and this sequel is a worthy successor. It mimics the gameplay of the original: You fire colored marbles into an ever-advancing line of

colored orbs. Match three or more marbles of the same color, and they disappear, earning you bonuses and power-ups. This is no mere rerun, though; Luxor HD makes great use of the iPad's ample screen.—PHILIP MICHAELS

iPad/iPhone | \$\$\$\$\frac{1}{2}\$; \$10; MumboJumbo; macworld.com/7132

Remote Conductor 1.1.6

a Magic Trackpad (macworld .com/6436) when Remote Conductor can give your iPad trackpad-like capabilities at a fraction of the cost? With the app installed, you can use your tablet as a secondary input



More Reviews

See more iPhone, iPad, and iPod touch apps we've tested at iOS Central (macworld.com/4164).

APPLICATION	DESCRIPTION	PRICE	RATING	FIND CODE
Bento for iPad 1.1.3 FileMaker	personal database app	\$5	****	6709
Circus Pain 1.1 Ongoz	Universal physics puzzle game	\$1	*****	7151
Facely HD 1.7 G-Whizz Apps	Universal Facebook client	\$1	***** ¹ 2	7152
Flick Football Super Save Neon Play	casual iPhone game	\$1	****	7153
Off Remote 3.06 Hobbyist Software	PC or Mac remote control	\$3	****	7154

* In a browser's address bar, typing in find codes after macworld.com/ directs you to a product's review or overview. For example, macworld.com/6709 takes you to our review of Bento for iPad.

ESSENTIAL APPS

Long-Form Reading Apps

Add these apps to your iPad, and get ready to dive in for a nice, long read (macworld.com/7155).

McSweeney's **** An update added iPad compatibility, plus an e-bookstore with iOS-formatted stories.

The Atavist \$\pi\$\pi\$\pi\$\pi\$\frac{1}{2}\$ This app uses many multimedia features to tell a story.

Storyville #### Get a new short story every week.

Narrative \$\$\psi\$\$\frac{1}{2}\$ Top-notch content from high-profile authors sets this app apart.

MultiCorder 2.1

PHOTOGRAPHY

MultiCorder lets you adjust the size and frame rate of the video captured by your compatible iOS devices, for much finer control over file size. The version 2.0



update added a number of helpful features, including the ability to zoom while shooting video and the ability to switch between front- and rear-facing cameras without creating a pause in recording.—BEAU COLBURN iPhone | \$6.5. Mirage | abs:

App Guide

Get more reviews, including reader reviews, as well as listings for every iOS app at AppGuide.com.





TAKING CAREOF BUSINESS IPAD

By Glenn Fleishman, Lex Friedman, Joe Kissell, Rich Mogull, and John C. Welch

ILLUSTRATIONS BY OTTO STEININGER

How to print, transfer files, network safely, and be productive

nyone who has spent time in an airport, a corporate meeting room, or a coffee shop over the past year knows that the iPad isn't just a toy. It has become a fixture anywhere people do work. For a lot of the things modern workers do—creating as well as communicating—it has become a perfectly viable tool.

Which means that the iPad is increasingly being called on to do things that it wasn't originally designed to do—transferring files from a Mac and back, printing, keeping data safe, and connecting to remote Macs. Fortunately, third-party developers (and, in some cases, Apple itself) have been filling in these gaps. Now, with the right combination of software and settings, it's possible—if not always easy—to take care of basic business computing chores on an iPad. Let us show you how.



TRANSFERRING FILES

Moving files back and forth isn't always easy

BY LEX FRIEDMAN

It's true that you can use your iPad instead of your Mac to take care of many common computing tasks. But unless you're ready to ditch Mac OS X entirely, you'll still need to transfer files back and forth between your iPad and your Mac if you're going to get work done.

Unfortunately, transferring and synchronizing files between the Mac and the tablet isn't easy. There are several different ways to do it, but each has its deficiencies. Frankly, this is one area where Apple could vastly improve the iPad experience. Until that happens, here are your choices when it comes to transferring files between your various devices.

ITUNES

The officially endorsed route for transferring files between an iPad and a Mac—iTunes file sharing—is amazingly clunky. For one thing, it works only with apps that support it—meaning, Apple's creative tools (Pages, Keynote, Numbers, GarageBand, and iMovie) and some third-party apps. But even then it's inconsistent: Apple's apps make you select Save To iTunes when saving a document; other apps make their files available to iTunes automatically.

Worse, though, is the manual effort required to keep files in sync. You know the routine: Connect your iPad to your Mac and open iTunes. Select your iPad in the iTunes Source list and click on the Apps tab. Scroll down past the list of installed apps and look for the File Sharing section. Tap the app you want to copy a file from, so its files appear in the Documents pane. Hold down the Option key and drag them to wherever you want them to go on your Mac (or use the Save To button). If you change one of those files on your Mac and want the new version on your iPad, you have to drag the file back into iTunes.

I have yet to find a solution—an AppleScript, an Automator workflow, or a third-party utility—that makes this process easier. For that reason, I use iTunes file sharing as a backup for long Pages documents and GarageBand projects, but for little else.

CLOUD STORAGE

Dropbox (****; 2GB, free; macworld .com/7059) is great for syncing files between computers. So how does it fare at syncing files between Macs and iPads?

Unfortunately, Dropbox on the iPad is merely adequate—but not through any fault of its own. The Dropbox app, like numerous other cloud storage services (including MobileMe's iDisk), offers an easy way to access the files and folders you store with the service. Dropbox's app makes it a cinch to view data that's in an iOS-friendly format, including Microsoft Word and Pages documents, PDFs, text files, and images. Even better, Dropbox and similar services offer you the option of opening your synced files in their compatible iPad apps; you can, for example, use the Dropbox app to send a word processing document to Pages.

The flaw is that the process is one-way: You can't send the updated file from Pages back to Dropbox.

There is a workaround. DropDAV (2GB, free; www.dropdav.com) lets you interact with Dropbox files from apps—such as Pages—that support WebDAV. If you open a Pages document on a remote WebDAV server, you can edit it on your tablet. Just remember that you're working on a local copy. When you're ready to save, you must manually publish your document back to the WebDAV server. It's definitely the closest you'll get to the experience of Dropbox on the Mac, but it's still far from seamless.

CLOUD-COMPATIBLE APPS

Some iPad apps have built-in support for cloud storage—most commonly, for Dropbox. Dropbox's Website currently lists more than 150 such apps (see the list at macworld.com/7203).

For example, there are a slew of Dropbox-compatible text editors for the iPad, including Elements (***\frac{1}{2}; \$5; macworld.com/6528), iA Writer (**\frac{1}{2}; \$1; macworld.com/6729), and Textastic

(\$10; macworld.com/7177). With those text editors, changes you make on your iPad are picked up almost immediately on your Mac and vice versa; the syncing process feels effortless.

The list also includes full-fledged word processors such as Documents To Go (***\frac{1}{2}; \$17; macworld.com/6829) and QuickOffice Connect (***\frac{1}{2}; \$15; macworld.com/6858), file readers like ReaddleDocs (**\frac{1}{2}; \$5; macworld.com/6654) and GoodReader (**\frac{1}{2}; \$5; macworld.com/6136), and many more.

Apple's iPad apps aren't on that list, but they do work with MobileMe iDisk. Unfortunately, that integration isn't nearly as smooth as what you get with the best Dropbox apps. Publishing to iDisk is too much like iTunes File Sharing; you're copying your file to the remote server, instead of maintaining a single, always-in-sync version.

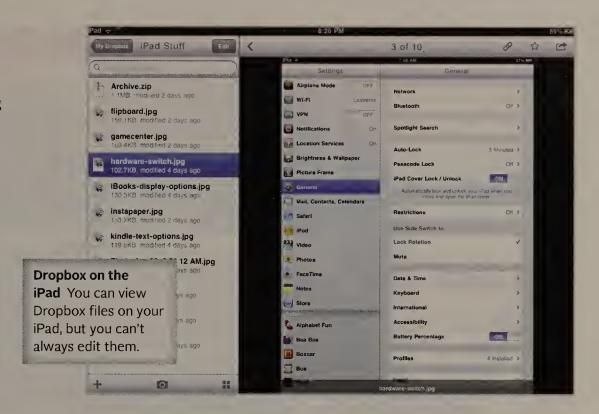
E-MAIL

Unless and until Apple and other vendors build full two-way syncing into their apps, the next best thing is e-mail.

E-mail, of course, is no closer to true real-time synchronizing than iTunes file sharing; you're still sending copies of your file back and forth, and you have to be careful that you're always working on the latest version. But using e-mail offers a couple of distinct advantages to the iTunes model.

First, you don't have to connect your iPad to your Mac. Second, e-mail messages include date stamps, so you don't need to guess whether you're working with the most recent version of a file; you can see precisely when you sent it to yourself.

If you plan to rely on e-mail file transfers a lot, it may be worth creating special rules in your e-mail client of choice to handle these special messages. For example, in Gmail I created a filter that looks for messages that are both from me and to me, and that contain attachments. Those messages get a Files tag and are archived; this way, the Mail app on my iPad shows them neatly tucked into a folder with the same name.



FTP

FTP is another option for transferring files to and from your iPad. There are plenty of iPad FTP clients in the App Store—including FTP On The Go Pro (\$7; macworld.com/7178), FTP Deluxe HD (\$1; macworld.com/7179), and FTP Write (\$5; macworld.com/7180)—that let you edit files stored on remote FTP servers.

If you have access to a remote FTP server, both your Mac and iPad can connect to it. But that means you'll need to download files to your Mac whenever you want to work on them. You might instead choose to configure your Mac itself as an FTP server. To do so, go to the Sharing system preference and make sure that File Sharing is turned on. Then click the Options button and put a checkmark by Share Files And Folders Using FTP. System Preferences will then tell you the FTP address for your Mac. Note that unless your home has a static IP address and your router is configured properly, it may be difficult (if not impossible) to connect to your Mac when you're using it as an FTP server if your iPad isn't on the same wireless network.

Using FTP from the iPad can work, because it ensures that you can work on just one copy of a given file at any given time. However, if you can't get to your files when you're online but out of the house, that's a serious problem.

THE THUMBDRIVE APPROACH

Many apps—including iFlashDrive (\$2; macworld.com/7183) and Briefcase (\$5; macworld.com/7181)—let you use your iPad as a pseudo thumbdrive, so that you can transfer files to and from the iPad. These apps and others like them can often connect to your Mac over your local Wi-Fi network (if you enable file sharing); some can connect by Bluetooth as well. A few of them even support remote access—including the ability to connect to SFTP servers.

But this process still feels a lot like a wireless alternative to iTunes File Sharing: You can copy files back and forth, but you must still manage the process manually.

THE VERDICT

The sad truth is that iPad file management is a chore. You can get a taste of what true, two-way, real-time syncing would feel like when you use one of the many Dropbox-linked text editors available for the iPad. But the hodge-podge of file-syncing solutions available for other types of apps is a hassle unbefitting of the iPad itself.

Until Apple provides a better alternative, I'll rely on Dropbox text editors when possible and use e-mail to shuttle other files back and forth.

111111

Lex Freidman is a Macworld staff writer.





PRINTING

Putting iPad content on paper doesn't have to be hard BY JOE KISSELL

Among other things, the iPad is a great way to save paper: It lets you carry around digital documents that you might otherwise have had to print. But from time to time you may still need to print data that's on your iPad—business documents that you created in Pages and Numbers, for example, or driving directions to hand to someone who's not packing silicon. Printing from the iPad can be easy if your needs are modest. But even if they're more complex, there is, as they say, an app for that.

(The following steps work for any iPad, including the iPad 2, and for both Wi-Fi and 3G models.)

THE BASICS

Even though you can add a USB port to your iPad with Apple's iPad Camera Connection Kit, plugging in a USB printer is useless because iOS doesn't know how to talk to printers via USB. Some printers have built-in Wi-Fi (a natural match for the iPad). But for the rest, you'll need a computer or other proxy device to serve as a conduit for iPad print jobs: Your iPad connects wirelessly to your Mac (or other device), and that in turn connects to the printer.

But the communication channel is only part of the picture; you also need software that knows how to send data to the printer in the right format. Starting with iOS 4.2, Apple built printing support into the iPad with a technology called AirPrint. Any app that has been updated to take advantage of AirPrint can print wirelessly to a compatible printer. It just takes a couple of taps.

For reasons that only Apple knows, the initial implementation of AirPrint

works with just a handful of newer HP printers that support something HP calls ePrint. If you happen to have such a printer (HP provides a list of them on its Website; go to macworld.com/7182), and it's on the same local network as the iPad, your iPad will be able to see it and print without any special configuration. (That's not all ePrint can do for you: It also gives your printer a private e-mail address. So if you send a message to that address with a document attached, the attachment will be printed.)

ACTIVATE AIRPRINT

If you don't have an HP ePrint-compatible printer, you can still use AirPrint with most printers. All you need is a bit of extra software that runs on your Mac: Collobos Software's FingerPrint (\$8; www.collobos.com) or Ecamm Network's Printopia (****; \$10; macworld.com/ 7205). Install either one on a Mac on your network, select the printer(s) you want your iOS devices to be able to use,

and you can then print to those printers from your iPad as if they were HP ePrint printers. Both apps also let you use the Print command to send documents to Dropbox or to a folder on your Mac in lieu of a printer.

The two applications do have their differences, however. FingerPrint requires OS X 10.6 or later, and it has an option to "print" directly to iPhoto on your Mac. But before a printer appears in FingerPrint, you must share it by enabling a setting in the Print & Fax system preference.

Printopia supports OS X 10.5 or later, works with any printer (shared or not), and can send files from your iPad to a PDF or PNG file on your Mac (much like OS X's print-to-PDF capability). As of version 2.0, it also lets you "print" not only to iPhoto but to any Mac application. It enables you to save files to any number of folders on your Mac. And you can launch any PDF workflow that's on



t, if you're

Printing from Pages In Pages, tap the Tools icon and then tap Print to display printer options.



ELEVATE



THE OTHER MEMBERS OF THE ELEVATE FAMILY OF ELECTRIC LIFT TABLES

and attention into the task at hand. So whether you compose in pixels or in spreadsheets, you can

create a more comfortable and consistent workflow.









800.325.3841 anthro.com/mac



Elevate Corner

Elevate Adjusta

Elevate Single Surface

your Mac (click the PDF pop-up menu in any OS X Print dialog box to see all your options) and configure printer settings. For all of those reasons, I greatly prefer Printopia to FingerPrint.

Another option exists, too, and it's even free (although payment is requested):
Netputing's AirPrint Activator (netputing .com/airprintactivator). But even though AirPrint Activator serves the same basic purpose of enabling AirPrint to use any printer your Mac can connect to, its setup process is rather tedious, and it doesn't offer a way to print to Dropbox or to a folder on your Mac.

PRINT WITH AIRPRINT

Once you have either an ePrint-compatible printer or an AirPrint enabler set up, printing from your iPad is easy:

First, look for the Print command in an app. Assuming that the app has been updated for AirPrint support, the command is in there somewhere, although the location varies—sometimes it appears when you tap a button with the word *Print* or a printer icon on it, and other times it may be in a pop-over that appears when you tap a Tools, Send, or Action icon. (When in doubt, check the app's help.)

Next, if this is your first time using AirPrint, or if you want to switch printers, tap Select Printer and then tap a printer name. The printer you select becomes the new default printer; you can skip this step next time if you want to use that printer again.

To change the number of copies, tap the plus-sign (+) or minus-sign (-) button. For multipage documents, you can limit which pages print by tapping Range and selecting the start and end page numbers. When you're done, tap Print.

Your document will begin printing. While that is in progress, you can double-tap the Home button and then tap the Print Center icon to view and manage your print jobs; Print Center disappears when printing is done.

PRINT WITHOUT AIRPRINT

AirPrint is certainly easy to use, but it may not meet all your needs. Some apps, and some printers, don't support it. Plus, AirPrint offers no control over things like paper size or print quality, and it doesn't work when your selected printer is not on your local network. For these reasons and more, you may want a different sort of printing method. Of the many other third-party printing apps, I personally prefer the following three:

Avatron Software's Air Sharing HD (\$10; macworld.com/6707) is a multitalented file-transfer app that can print directly to any shared printer on your local network (with or without AirPrint), and it gives you access to all your printer's standard options.

Microtech's ePrint (***, \$3; macworld.com/6172), like Air Sharing



Download transactions • **Reconcile** statements • **Schedule** payments

Download transactions - neconcine statements - Schedule payments

Create reports • **Budget** spending • **Forecast** savings • **Review** expenses • **Print** checks

Track stocks · Analyze investments · Monitor het worth · Export to TurboTax · Sync to iPhone

Plan your future · Manage your money

"An excellent personal finance application that should easily replace any you're currently using." — macworld.com



Free 30-day unlimited trial download. www.go-iBank.com

HD, can directly access printers on your local network. Among the many things it lets you print are documents transferred from other iOS apps, Web pages, data from the Calendar and Contacts apps, and the contents of the Clipboard.

One of several iOS printing apps from EuroSmartz, PrintCentral for the iPad (***, \$9; macworld.com/7204) communicates directly with Wi-Fi- and AirPrint-compatible printers, but you can also install a small helper application on your Mac called WePrint that lets PrintCentral work with almost any printer. WePrint even lets your iPad print remotely by using an e-mail account, an iDisk, or a WebDAV server as a channel for print jobs.

Senior Contributor Joe Kissell is the senior editor of TidBits and the author of the e-book Take Control of Working with Your iPad, Second Edition (TidBits Publishing, 2011; www.takecontrolbooks.com).



Choose a Printer PrintCentral not only works with local printers, but it also lets you print remotely, via WePrint.



Docking Station - BE-MBP13SD



DOCKING STATIONS FOR APPLE COMPUTERS

Great for schools, no disconnecting/connecting multiple times a day



- 15" MacBook Pro Docking Station - BE-MBP15SD
- Includes USB hub to give you a total of 5 USB 2.0 ports
- · Allows access to SD slot
- · Cooling plate to help dissipate heat



• 17" MacBook Pro Docking Station - BE-MBP 7711

Visit our website for latest product announcement www.BookEndzdocks.com



Manufactured by Olympic Controls 1250 Crispin Drive • Elgin, Illinois 60123 • USA

• 13" MacBook Pro

Phone: 847-742-3566 • Fax: 847-742-5686 • Toll Free: 888-622-1199 • E-mail: Sales@BookEndzdocks.com

SECURITY

The iPad has great tools for keeping your data safe BY RICH MOGULL

The iPad is one of the safest computing devices you can use. Its combination of hardware and software security give you a device that's probably more secure than your Mac or PC—especially if you take the right steps to secure it.

Because there are currently no known remote attacks against iPads, the biggest security risk is physically losing the device. Thus, the first step is to make sure your tablet's data is safe in case it gets lost or stolen. For that, I'd suggest a combination of encryption and remote wiping.

PASSCODES AND ENCRYPTION

By default, iPads encrypt the data stored on them. You can encrypt e-mail messages and attachments as well by turning on data protection. To do so, go to Settings ▶ General ▶ Passcode Lock and then enter a four-digit code twice. If you want to be extra safe, turn off the Simple Passcode option on that same page; you can then use longer codes. While you're there, set Require Passcode for no more than 15 minutes and turn on Erase Data.

You can make those passcodes even more powerful by downloading and launching Apple's (now poorly named) iPhone Configuration Utility (macworld.com/7185). Designed for enterprise IT managers, it provides a number of additional security and business settings.

To start, tap Configuration Profile ▶ New, and select Passcode from the list. You'll now have lots of options. At the very least, specify a minimum length for the passcode.

To activate these password settings, fill in a name and identifier for your new profile on the General tab. If nobody else uses the iPad, set the Security drop-down menu to Always; if you're configuring an iPad for someone else and don't want him or her to change settings without your permission, set it for Never or With Authorization (and then provide a password).

When the profile is set, click Share to send it in an e-mail message to your iPad. On the tablet, open Mail, find the message, click on its attachment, and select Install.

REMOTE WIPE

Remote wiping allows you to delete data on a lost iPad when it connects to the Internet. If you have a MobileMe account, you can set this up by enabling Find My iPad in Settings ▶ Mail, Contacts, Calendars ▶ MobileMe. Business users who connect to a Microsoft Exchange server (or alternatives such as Kerio Connect) can use Exchange ActiveSync support to wipe their devices. This is managed on the server, not on your device, so you'll need to work with your IT administrator.

VPNs AND THE IPAD

Can you get secure connections from a wireless tablet? Yes, you can.

BY JOHN C. WELCH

While there are plenty of ways to protect your iPad and its data from ne'er-do-wells, one way is of specific interest to business users: the virtual private network, or VPN.

Out of the box, with no additional software, the iPad supports three kinds of VPNs: Layer 2 Tunneling Protocol (L2TP), Point-to-Point Tunneling Protocol (PPTP), and Cisco IPSec (that stands for Internet Protocol Security). All three do much the same thing, just in different ways. The kind of VPN you set up on your iPad depends entirely on the kind of VPN that's set up on the network you're connecting to.

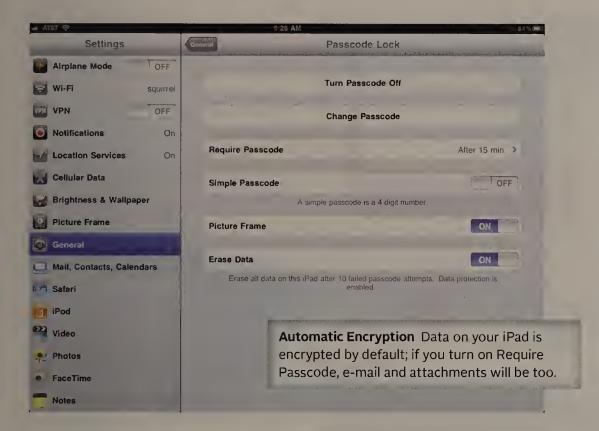
The iPad also supports what are known as SSL VPNs, which use the same SSL protocols that Websites use when they want to secure the connection so you can send sensitive data to them, without worrying about someone else sniffing that data for their own purposes. The iPad supports SSL VPNs from Juniper, Cisco, and F5, although you need to download clients for those from the iTunes App Store. You can also create your own custom SSL VPN setup if you want.

SETUP

I can't provide details for every possible VPN setup, but I can explain the setup for Cisco IPSec: It's relatively common, and it's the one I use; you'll follow the same general procedure for any of the others.

Start by going into Settings, and then tap VPN. Select Add VPN Configuration and then IPSec. There, you'll need to fill in a configuration screen with the following details:

- server (the IP Address or DNS name of the VPN router);
 - account (also known as a user ID);
 - password;
- either a certificate (which will be provided for your iPad by the VPN administrator) or (in a field further down) a Secret (that's VPN-ese for a second password that provides another layer of authentication; unlike your password, a Secret isn't specific to the user); and



IN USE

There are also things you can do in daily use to make your iPad more secure. One of the best is to use a VPN (see "VPNs and the iPad").

Another way is to use secure connections for e-mail. Properly configured Microsoft Exchange servers encrypt data by default. If you use an IMAP or POP3 server, and it supports SSL, you can go to Settings ► Mail, Contacts, Calendars ► *youraccountname* ► Advanced on your iPad and enable it there.

Although data protection encrypts your e-mail attachments, the moment you send them off to an app such as Pages, they are protected by the iPad's basic encryption only. If you're really

worried about such documents, you can use a special secure e-mail server tool like Good for Enterprise (macworld .com/72O2) and its free companion iPad app. Good for Enterprise locks encrypted e-mail attachments (and any files downloaded from its secure browser) inside the app, which means that you can read them, but not edit them.

If you do lose your iPad, one of the first things you should do is change your password and deauthorize the device for any services—such as Dropbox or iDisk—that you used for connecting to it.

Finally, consider getting the 1Password Pro app (****; \$15; macworld.com/ 5943). It enables good password habits (requiring a different, complex password for every site), it syncs with your Mac and other devices over the network or via Dropbox, and it stores secure notes and other information, including passwords. It even comes complete with its own embedded Web browser so you can log in to sites without having to copy and paste your credentials.

///////

Rich Mogull writes for TidBits (tidbits.com) and is a security analyst with Securosis.

group name (used to assign appropriate access privileges to different types of users; for example, your IT group likely has different kinds of access than does a sales team).

Before you go to the trouble of entering all of that manually, check with your IT department: It may be able to use Apple's iPhone Configuration Utility to create a configuration profile, which you install on the iPad and which configures the VPN for you.

HOW TO USE IT

Once the VPN is set up, using it is simple: When you want to connect to your VPN, you reopen Settings, tap VPN, select the configuration you want to use (if you have more than one), and tap the VPN on/off switch. Enter a password (if it isn't already saved in the configuration); a couple of seconds later, you should be connected.

At that point, you can connect to your network and do whatever you need to do,

and it should just work. The only visible sign that you're using a VPN at all is the small icon in the upper left corner of the screen. When you're done, go back into the VPN settings and tap the VPN on/off switch, and the VPN connection will be terminated.

If you're using an SSL VPN, you can take advantage of "VPN on demand"; then, you don't even have to turn it on. Whenever you try to access a site or a resource behind the VPN, the VPN will automatically start for you and quit when you're done.

As with so many other things, Apple has done a good job of making some ferocious technology easy to use. Setting up a VPN on the back end may be a truly tedious and annoying process. Connecting to one from an iPad is anything but.

John C. Welch is the IT director for the Zimmerman Agency, and a longtime Mac IT pundit.



VPN Settings The iOS VPN configuration screen is straightforward; you can get the details you need from your IT administrator.

REMOTE CONTROL

How to view and control your Mac's screen from your tablet

BY GLENN FLEISHMAN

The iPad is an excellent platform for remotely accessing your Mac: Because the tablet runs programs full screen, your iPad's screen becomes your Mac's. Plenty of iOS apps let you remotely access your Mac, but one thing differentiates the best of these apps from the rest.

Most remote-access apps for the iPad

(VNC) technology for remote control.

VNC has been built into the last sev-

eral versions of Mac OS X; it's what

makes Screen Sharing possible, among

rely on Virtual Network Computer

But while VNC makes connecting to a Mac that's on the same local network as your iPad relatively easy, it doesn't help as much when you need to connect to one that isn't. Most VNC apps discover and connect to computers through Bonjour; once you're outside

> the network, Bonjour doesn't work. That means it's time to get your hands dirty.

To reach a computer on one network from an iPad on another, the router that stands between that other network and the Internet must be configured to allow you in. This can be quite messy. Each computer has to be set to use a unique port (think of it as a mail slot that's attached to an Internet address). You can't do that with Apple's built-in VNC software; you have to install a third-party VNC server to set the port by hand.

Then the router has to be configured to map each computer's unique

This requires a fair amount of tweaking to get right; you may have to repeat the tweaking as network conditions change. And if your router doesn't have a publicly reachable IP address, this process won't work at all.

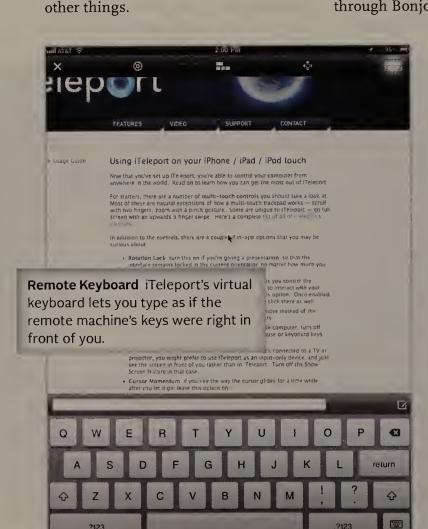
But two remote-access apps for the iPad let you bypass all of that hassle: iTeleport Jaadu VNC (****; \$25; macworld.com/3831) and LogMeIn Ignition (****12; \$30; macworld.com/ 5646) might seem pricey compared with most iOS apps, but they're inexpensive for what they do. Both let you connect from an iPad to a remote Mac on another network with virtually none of the mess.

LOGMEIN

To use LogMeIn Ignition (free; secure .logmein.com), you need an account and a desktop client. It uses proprietary technology, not VNC, so you have to install software on whatever Macs or Windows systems you want to reach. That software comes in several flavors; The LogMeIn Free option is a desktop version that is quite full-featured.

You need to set up an account, because LogMeIn uses its own servers to mediate the connections between systems. Once you pay \$30 for the app,





you can access any number of desktop systems running LogMeIn Free from any of the iOS devices registered to your iTunes account.

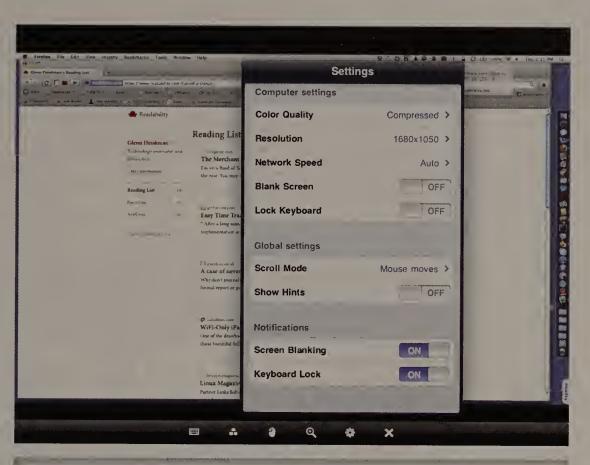
I've used LogMeIn Ignition extensively ever since it was released, and I've never had trouble making a connection back to a computer on which LogMeIn was installed. A recent update added file-access capability; that means that you can browse any machine to which you have access, view its files, and copy any of them to your iPad (see "Transferring Files").

ITELEPORT

iTeleport is a full-featured VNC client, which also takes advantage of Apple's Screen Sharing extensions for supporting multiple monitors. (Unenhanced VNC clients can only access the monitor on which the menu bar is located.) But while LogMeIn uses its own servers to mediate the connections between machines, iTeleport uses a Gmail account as the glue. It uses Google's systems to let the two machines negotiate a connection without port mapping or other router fussiness. However, the connection itself doesn't



Choose a Machine LogMeIn shows the list of computers registered to your account and which of them are available for connections.



LogMeIn Settings LogMeIn has an enormous number of configuration choices. For instance, you can trade image fidelity for faster rendering.

pass over Google's servers. The process seems to work well.

The company provides free Mac OS X and Windows server software, which you register with a Gmail account's login name and password and install on the Macs you want to reach. iTeleport will also work with standard VNC clients on any platform, although you'll then have to configure those connections yourself.

MISSING PIECES

There are some other promising fixes out there. Splashtop Remote Desktop for the iPad (macworld.com/7184), for example, offers marvelously smooth video playback over a local network connection. There's even a dial you can move to favor either crispness or smooth motion, depending on the task you're engaged in. You can play back a movie in iTunes at full screen on your Mac, and watch it with crisp clarity on an iPad. But the company is still working on its remote tunneling service.

In some ways, it's surprising that remote access is still so hard. I'm not alone in wishing Apple would extend either Back to My Mac or iChat screen sharing to iOS.

Back to My Mac creates an encrypted tunnel between two computers over the Internet, allowing you to reach machines behind routers that otherwise block access. You can then use the standard Screen Sharing program (as well as other services).

If Apple baked Back to My Mac into iOS in a manner similar to Find My iPhone, that would alleviate a lot of the complexity. Apple could also create an iChat screen-sharing app. (Add the Chax extension [www.ksuther.com/ chax to iChat, and it can accept incoming screen-sharing requests automatically.)

But unless and until Apple steps in, LogMeIn and iTeleport are your choices, and they're excellent ones. They let you use your iPad as a roving screen for one or more computers to which you need access, whether you're a few feet away or in ultima Thule. Both are well worth the price.

///////

Glenn Fleishman is a senior contributor to Macworld, and the author of Take Control of iPad Networking and Security (TidBits Publishing, 2010; takecontrolbooks.com).

THE READING TABLET

the iPad has transformed the experience of reading books, magazines, the Web, and even comics





READING ON THE iPAD: MAGAZINES

The reading experience can be great. But the subscription business is still a mess.

BY JONATHAN SEFF



n many ways, I now find it more enjoyable to read magazines on the iPad than on paper. But publishers have yet to figure out exactly how to make the business side of iPad publishing work.

From Pages to Apps

You can subscribe to a slew of big-name magazines such as *Esquire*, *Road & Track*, *Us Weekly*, and *The Economist*, as well as to many lesser-known titles, through the free Zinio iPad app (www.zinio.com); Zinio offers an iPhone version, too. (Disclosure: *Macworld* is also offered via Zinio.)

For example, I stopped subscribing to Rolling Stone in print years ago. But I recently resubscribed to the magazine via Zinio and now read it on my iPad. I get an e-mail message when a new issue

is ready, and then I launch the app to download it and read it at my leisure.

In most cases, what you get from Zinio is essentially a PDF of a printed magazine, with a few perks. For example, you can tap links in a table of contents to jump to stories; you can call up those lists of contents—which show page thumbnails or story titles and descriptions—anytime. And there are *Continued* links that take you from one page to the next. If you want to do away with the distractions of the magazine layout, you can opt to read stories in a

well-formatted text-only view. Some Zinio titles have been enhanced for computer and iPad use, with interactivity and better navigation. Otherwise, reading magazines through Zinio is like reading anything else on the iPad: You swipe between pages and pinch to zoom in on sections to make them larger and easier to read.

In addition to (or instead of) appearing via Zinio, many magazines now offer their own iPad apps. In these, the content (sometimes from the print edition, sometimes not) has been especially formatted for the tablet. Much of the time, the apps themselves are free, but you then purchase individual issues each month. *Outside* magazine's Outside Magazine + app, for example, lets me buy issues for \$4 apiece. Those iPad issues are far better

than their Zinio counterparts—so much so that I buy them even though my Zinio subscription to *Outside* has yet to run out. Like many magazines designed for the iPad, the Outside Magazine + app lets you navigate stories and sections by swiping horizontally; you read individual items by swiping up and down. You also get cool extras such as embedded video and audio, and the ability to swipe through a story's photos in a single box.

Some publications, such as Virgin's Project Magazine, are iPad-only and didn't even exist before appearing on Apple's tablet. Project's \$3 issues have features possible only on a tablet, such as video covers, interactive content with buttons to change the display, and more.

The Spin Play app, an iPad-based version of *Spin* magazine, goes further still: Each \$2 issue (a yearly subscription is \$8) includes the content of the magazine, plus news and reviews. But you also get more than 60 streaming songs and 30 streaming videos selected by *Spin* editors.

Business Models

While Zinio uses a traditional magazine subscription model, iPad magazine apps originally sold single issues. Then, in February, Apple launched its long-awaited App Store subscription model. Customers can sign up for the subscriptions via in-app purchases, which are automatically billed and renewed on their iTunes accounts.

However, the number of iPad magazines offering subscriptions is still pretty short: *Elle, Popular Science, Popular Photography, Nylon,* and the aforementioned *Spin* have been among the most prominent. Part of the problem is Apple: The company takes 30 percent of any subscription sales, bars publishers from charging more for a subscription on the iPad than they do elsewhere, and doesn't provide the kind of subscriber data publishers get from print subscriptions.

Publishers can make iPad access free for print subscribers, but until recently, not many did. Some Time Inc. titles (including *People* and *Time* itself) do. *Bloomberg Businessweek* recently added both an iPad subscription option and free access for print subscribers.



Rolling Stone The Zinio version of the venerable music magazine is like the print edition, but with a couple of added benefits, such as the side-scrolling navigation bar at the bottom.

In some cases, subscription options can be a jumble. For example, as a *New Yorker* print subscriber, I get free access to the New Yorker's online archives; the latest issue posts every Monday (my print issue usually doesn't arrive until Thursday or Friday). Using Safari on the iPad, I can read new issues in the archive the day they come out, and usually finish reading them before my hard copy shows up. The downside is that every page-turn requires a page-refresh; if you aren't connected to the Net via a Wi-Fi or 3G connection, you can't read. Another deficiency: When you double-tap a page, you can zoom in to only one set level.

I could also download The New Yorker Magazine iPad app (free) and purchase individual, enhanced issues one at a time through it. (Enhancements include authors reading their poems, extra cartoons, and more.) Once you've downloaded an issue to the app, you can read it without a data connection.

Unfortunately, the New Yorker charges \$5 per iPad issue. All you can see before buying is the issue's cover—no table of contents—so you don't know what's in the issue. And since the app's debut in September 2010, print subscribers have

paid the same as anyone else. There wasn't a separate option for subscribers, so to purchase the 47 annual issues on the iPad would cost a staggering \$235.

However, as we went to press, the *New Yorker's* publisher, Condé Nast, unveiled an iPad-subscription plan to satisfy newcomers and current print subscribers alike. For \$6 a month or \$60 a year, you can subscribe to the iPad edition from within the app. (You can still buy individual issues for \$5 each.) Current print subscribers can authenticate via the app and download issues for no extra charge. On the *New Yorker* site, you can instead get print and digital access for \$7 a month or \$70 a year. Condé Nast also plans to add iPad subscriptions for *Vanity Fair, Glamour, Golf Digest, Allure, Self, GQ*, and *Wired* shortly.

Hearst also recently announced that it will make iPad subscriptions available for *Popular Mechanics*; *Esquire*; and *O*, *The Oprah Magazine* soon for \$20 a year each, and drop single issue prices to \$2.

The iPad magazine business is changing rapidly. (It will likely have changed some more by the time you read this.) But at least it seems to be headed in a direction that's good for readers.

READING ON THE iPAD: THE WEB

Three apps that make it easier to find and consume great Web content on the iPad

BY LEX FRIEDMAN



now do a big chunk of my Web reading on my iPad. And though I used several different RSS clients and online services on my Mac to cope with the Web's fire-hose gush of news, blogs, and long-form journalism, I've settled on just three apps to help me get to Web content on my iPad: Reeder, Instapaper, and Flipboard.

Reeder

While there are plenty of RSS clients for the iPad, Reeder (***** \$5 macworld .com/6300) makes RSS browsing more intimate and immersive than anything you could get on the Mac. No other client I've tried—not NetNewsWire, not Byline, not Pulse—has embraced the iPad interface as fully as Reeder. You can swipe through stories, pinch to expand feed folders, and slide stories left or right to mark them as favorites or as unread. And Reeder displays your feeds in a clean, clutter-free interface.

My favorite Reeder feature, though, is its tight integration with a variety of sharing and saving services. Simply tap and hold on any link within the app, and a pop-over menu appears that lets you share the link via Twitter, Facebook, e-mail, and Instapaper, among other options. What's more, you can (and should) customize which services appear. Because Reeder has built-in support for Readability (www .readability.com), it works just fine for feeds that post summaries only: Reversepinch (or tap the R button) and Reeder will fetch the full text. Like many other newsreader apps, Reeder syncs with Google Reader, so your feeds can always be consistent no matter which device you're using to read them.

Instapaper

I send longer articles from Reeder to Instapaper all the time. Why? Because the iPad version of Instapaper is awesome.

You can customize the way Instapaper presents your saved texts. You can adjust its brightness (independently of the iPad's own brightness slider). You can also toggle



between Light and Dark modes; the latter switches to light gray text on a black background, which is good for nighttime reading. You can also control the font, font size, line spacing, and margins.

You can navigate through pages by tapping to turn a page, swiping to scroll it, or (my favorite) tilting to scroll: The more you incline the screen, the faster the words scroll. Regardless of the way you navigate a story, the reading experience is excellent. Stripped of flashing ads, suggestion modules (the "You might also like..." prompts), and other inessentials, articles are eminently readable.

Flipboard

Even though Instapaper has some tools that connect me to my favorite social networks, it's Flipboard that specializes in such tasks: Once you supply your credentials for Facebook and Twitter, Flipboard ($\$\$\$^{\frac{1}{2}}$; free; macworld.com/6465) pulls in the text and images from links posted



in your feeds. It's like reading a magazine that your friends edit.

The interface even mimics the paperbased experience, complete with 3-D page-turning animations. It provides big, easily readable text previews, but also pulls in the full Web page for the linked article.

Like so many great content apps, Flipboard integrates with Instapaper, so you can send articles there for reading later. But even on its own, Flipboard offers a smart, familiar approach to browsing the content that your friends recommend.

Flipboard By

collecting into

an attractive layout the Web

stories your

Facebook and

Twitter friends

have linked to.

effect creates a

magazine edited

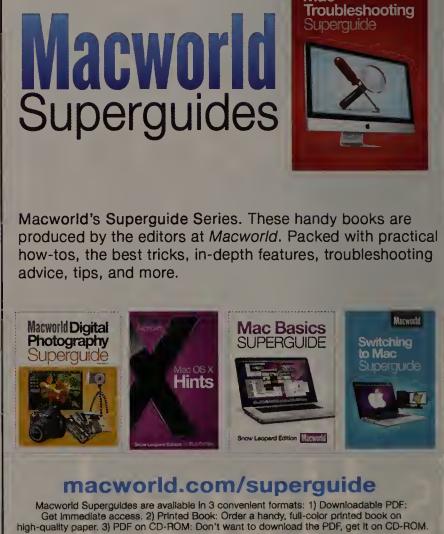
Macworld

Mac

by your friends.

Flipboard in





Power up to win 1 of 7 APC[™] BR700G Battery Back-UPS[™] units (a \$130 value)!



Key Code a986v

www.apc.com/promo 888-289-APCC x8356 FAX: 401-788-2797

Name:		Title:		
Company:				
Address:		Address 2:		
City/Town:	State:	Zip Code:	Country:	
Phone:	Fax:			
e-mail:				
Yes! Send me more information via e	-mail and sign m	e up for the Uptime e	e-mail newslette	er. Key Code: a986v
What type of avallability solution do you need? □ UPS: 80+ kVA (3-phase AC) □ DC Power □ Networ □ Monitoring & Management □ Line Conditioning □ N	king Enclosures & Racks	S ☐ Air Conditioning ☐ Cab	les/Wires	APC
Purchase time frame? □ < 1 Month □ 1-3 Month	hs 3–12 Months	>1 Year Don't Know		
	siness (<1000 employee	es) 🗆 Large Corporation (>1	1000 employees)	by Schneider Electric

©2011 Schneider Electric. All Rights Reserved. Schneider Electric, APC, and Back-UPS are trademarks owned by Schneider Electric Industries SAS or its affiliated companies. e-mail: esupport@apc.com • 132 Fairgrounds Road, West Kingston, RI 02892 USA 998-2516a

	NO POSTAGE NECESSARY IF MAILED IN THE UNITED STATES
BUSINESS REPLY MAIL FIRST-CLASS MAIL PERMIT # 36 WEST KINGSTON RI POSTAGE WILL BE PAID BY ADDRESSEE APC	
ATTENTION CRC: a986v 132 FAIRGROUNDS RD PO BOX 278 WEST KINGSTON RI 02892-9920	

Macs can do just about anything.



Now, they can even run without power.

Introducing the reinvention of backup power—the APC Back-UPS: unsurpassed protection for iMacs and more.

Reliable power backup for 24/7 availability

Whether creating digital projects, updating your Facebook® status, or working furiously to meet a deadline, you depend on your iMac® every day, all day. That's why APC by Schneider Electric™ has designed battery backup units that protect that uninterrupted availability you expect from your iMac. Introducing the reinvention of backup power protection: the APC Back-UPS™!

Energy-efficient protection for peace of mind

When the power goes out, our Back-UPS units go to work. They instantly switch your iMac to emergency power, allowing you to work through brief power outages or safely shut down so you won't lose valuable files. They also feature surge outlets to safeguard your electronics and data from "dirty" power and damaging power surges—even lightning. Plus, their energy-efficient design reduces electricity use, so you start saving money the minute you plug in a Back-UPS. And power-saving outlets automatically shut off power to unused devices when your iMac is turned off or in standby, eliminating wasteful electricity drains.

Trusted insurance for what matters most

Our units protect your iMac and much more, including the MacBook®, wired and wireless networks, DVRs, gaming consoles, and external storage devices. APC Back-UPS is the trusted insurance you need to stay up and running and protected from unpredictable power and energy waste!



Keep your electronics up and your energy use down!

Back-UPS models are available with the features and runtime capacity that best suit your application, and many models have been designed with power-saving features to reduce costs.

The High-Performance Back-UPS Pro Series

High-performance Back-UPS Pro units deliver cost-cutting, energyefficient features. Power-saving outlets automatically shut off power to unused devices when your computer is turned off or is in standby, eliminating wasteful electricity drains. (BR700G shown above)

The energy-efficient ES 750G

The Back-UPS ES 750G boasts innovative power-saving outlets, which automatically shut off power to unused devices when your computer is turned off or is in standby, eliminating wasteful electricity drains.

- 10 outlets
- •750 VA/450 watts
- 70 minutes maximum runtime
- Coax and telephone/network surge protection

The best-value ES 550G

The Back-UPS ES 550 uses an ultra-efficient design that consumes less power during normal operation than any other battery backup in its class, saving you money on your electricity bil

- 8 outlets
- 550 VA/330 watts
- 43 minutes maximum runtime
- Telephone surge protection



Power up to WIN 1 of 7 APC BR700G Battery Back-UPS units (each a \$130 value)!

Visit www.apc.com/promo Key Code a986v • Call 888-289-APCC x8356 • Fax 401-788-2797



READING ON THE IPAD: BOOKS

Kindle versus iBooks: How they compare.

BY LEX FRIEDMAN



efore Apple released the first iPad, I doubted that I'd ever want to use it as my primary reading device. Compared to the Kindle, with its reader-friendly E Ink technology and superlight weight, I thought the iPad would be hard on the eyes and clunky.

Boy, was I wrong. I now enjoy reading books on my iPad almost as much as I do on my Kindle 3. The biggest question isn't whether to read books on my iPad, but rather which app to use.

Virtual Bookstores

The two e-reading apps I use most on my iPad are Amazon.com's Kindle app (***; macworld.com/6020) and Apple's iBooks app (***; macworld.com/6146). Each is free, and each is linked to its own dedicated store. To buy Kindle books from the iPad, you must use a Web browser to shop at Amazon's Kindle Bookstore. Apple's iBookstore is embedded in the iBooks app.

More significantly, Amazon's selection is far bigger than Apple's: The Kindle bookstore offers more than 850,000 books; the iBookstore sells just 200,000. (Both apps can load the 33,000-plus public-domain books—including classics by Shakespeare, Dickens, Twain, and many others—from Project Gutenberg.)

Readability

One of the big advantages of e-books compared with the paper kind is that they're customizable; you can modify the text to suit your needs.

In the Kindle app, you can choose to view black text on a white background, dark brown on sepia, or white on black.

The app offers six font sizes.

You get a different mix of text options in iBooks. There isn't a white-on-black option; you must choose between black-on-white or sepia tones. That said, iBooks does give you it text sizes to choose from, and you can customize the fonts. (Kindle lets publishers set the font, and you can't override that setting.) One iBook setting I particularly like is the ability to toggle full-text justification off; the Kindle app offers no such option.

iBooks' brightness slider actually provides more control than the iPad's own: If you turn the iPad's own slider to its darkest setting, the iBooks app's control can make it darker still.

Although an actual Kindle outshines the iPad for reading outdoors in the sun, the iPad is best for reading in the dark—next to a sleeping spouse, say. In that context, I prefer the Kindle app's white-on-black setting, dialed down to the app's maximum darkness setting.

Interface

The Kindle app lets you know where you are in a book in four ways: by displaying a percentage of the book you've read; by the "Kindle location" (a digital page number that remains constant, regardless of font and screen size); by a horizontal progress bar; and by actual page numbers. The iBooks app focuses on page numbers, too-but those "pages" are strictly virtual: The number at the bottom of the screen will change if you switch to a larger font. iBooks also has a progress bar, and it includes a tiny line of text that says something like "6 pages left in this chapter"—a nice indication of how close you are to a good stopping point.

The two apps take strikingly different approaches to design. iBooks attempts to re-create the feeling of a real book, down to the binding. Kindle skips such niceties, and shows just the text, starkly bare. I don't think it matters much. Once you're



The iBookstore
It's nice to have
the bookstore
built into the
iBooks reader
app. But the
selection is
nowhere near
as good as what
Amazon offers
for the Kindle.

reading a good book, the design should fade into the background. And even though swiping is fun, tapping on the screen's edge is faster.

There are some downsides to using e-reading apps. In my experience, Kindle is a battery guzzler; turning off Wi-Fi helps. The bigger problem is that I spend more on books than I did before. (Luckily, individual e-books are generally cheaper than their paper counterparts.)

I now rarely curl up with a good book—in paper, at least. But I do it all the time with my iPad. Reading books on it now feels entirely natural—so much so that I actually prefer it to the old paper way.







READING ON THE iPAD: COMICS

Turns out the tablet is a great medium for graphic narratives

BY JASON SNELL

hen I was a kid, I'd go with my mom to the grocery store just so I could buy comic books. I still read comics—but now I do so on my iPad, thanks to dedicated comics apps and some accommodating publishers.

Comics App

If you get only one comic-book app, make it Comics by Comixology (****\frac{1}{2}; macworld.com/5584). This excellent and free little program offers comics from DC, Marvel, and numerous indie publishers, including an exclusive deal with Robert Kirkman, author of *The Walking Dead*. You can buy issues directly from within the app by using your iTunes account, and you can start reading them while they're downloading.



Comic Zeal This app is great for reading older titles in the CBR and CBZ formats.



If you're new to comics and are uncomfortable navigating their layout, the Comics app walks you through it: Double-tap on any panel to enter Guided View, and the app masks out everything but the panel you're looking at; tap on the right side of the screen to advance to the next part of the page. The app will pan, zoom, and otherwise lead you through the comic story.

Comics in PDF

The comics industry is slowly embracing digital comics. Two of my favorite current series, Marvel's *Ultimate Spider-Man* and Kirkman's *Invincible*, are available on the tablet the same day they're released in print. I now buy those two, as well as Mark Waid's *Irredeemable*, regularly.

on every page; GoodReader strips that watermark away.

In addition to PDFs, comics are available in the CBR and CBZ formats. Unfortunately, most comics in these formats were scanned in by fans and are available only on pirate sites. I have downloaded a few titles that I already own in print and loaded them onto my iPad so I can read them without digging around in my garage. So, with a friendly reminder that it's wrong to pirate comics, let me recommend the \$8 Comic Zeal (macworld.com/7196). It accepts CBR and CBZ files straight from iTunes without any conversion, it offers good organizational tools, and it provides a smooth reading experience. (It also has a nifty feature that colors the frame around your comic page with whatever color dominates the panel; it makes for a more immersive reading experience.)

Lex Friedman is a staff writer, **Jonathan Seff** is a senior editor, and **Jason Snell** is the editorial director at *Macworld*.





switchBACK *surge*™

- · 1800 mAh rechargeable lithium-ion battery
- · Integrated kickstand for FaceTime video calling and landscape media viewing
- · Includes glossy black and metallic silver interchangeable backs
- · Micro USB port allows you to charge & sync





Scan the OR code for more product





Scosche reVIVE app for advanced battery









WORKINGMAC

Tips, Tricks, and Tools to Make You and Your Mac More Productive

Make Gmail Play Nice with Mail

How to outwit duplicate e-mail messages and other hassles

BY DAVID CHARTIER

oogle's free Gmail (www.gmail .com) offers fantastic convenience and many useful features, but it has never played well with Apple's Mail. The crux of the conflict when you use Mail as a client for Gmail is Google's use of labels, its alternative to traditional e-mail folders. Instead of filing messages into single folders as Mail does, Gmail essentially has you tag e-mail messages with multiple words. For instance, if you apply three labels to an inbox message in Gmail, five copies of that message will appear in Mail when you search for it: three for the aforementioned labels, one from the inbox, and one from the All Mail folder.

Still, depending on your needs, Gmail and Mail can actually work quite well together. Here's how.

This article assumes that you already have a Gmail account, have properly set it up in Mail (see macworld.com/7133), and are familiar with both programs.

Turn on Advanced Gmail Features

For a while now, Gmail has offered some often-overlooked options that give you more control over how external clients



Customize Your Labels

Go back into your Gmail settings, to the Labels tab. You now have control over whether most of Gmail's labels appear in Mail (again, as folders). You'll likely want to disable the All Mail label—it's responsible for most message duplication.

Also, feel free to hide any other labels that you don't need while in Mail. Note that you'll have to log in to Gmail in a browser if you need to look up messages with any of the labels that you excluded from Mail, including archived messages.

If you opt to automatically archive Gmail messages that you trash in Mail program moves them to the Trash folder for disposal. This behavior made sense in the past, when disk space was a precious commodity and e-mail programs and services could get bogged down if they had to organize too many messages. But thanks to zippy Macs, powerful servers, and bountiful disk space these days (even online), Gmail takes a different approach by defaulting to an "archive" behavior. This moves messages out of the Inbox, but keeps them around in the searchable All Mail folder—instead of just getting rid of them forever.

Since we're looking to turn Mail into a good Gmail client, you can make your keyboard's Delete button tell Gmail to archive the message. Just go to Gmail's mail settings, click on the Forwarding And POP/IMAP tab, and look in the IMAP Access section. Select Auto-Expunge Off. Then, find the When A Message Is Marked As Deleted And Expunged From The Last Visible IMAP Folder setting, and set it to Archive The Message. Save your changes. Now, whenever you delete a message from

The crux of the conflict when using Mail as a client for Gmail is Google's use of *labels*, its alternative to traditional e-mail folders.

like Mail interact with your Gmail labels.

To start using these options, go to the Labs tab of your Gmail settings and enable the Advanced IMAP Controls feature. Be sure to click Save Changes; Gmail will refresh itself, bringing you back to your inbox.

(as described later), you might also want to hide Gmail's Trash label from your IMAP clients.

Enable IMAP Archiving

When you delete messages from Mail (and most typical e-mail clients), the

Mail (including all of the labels/folders it's duplicated in), it will be archived in your spacious Gmail account and searchable online.

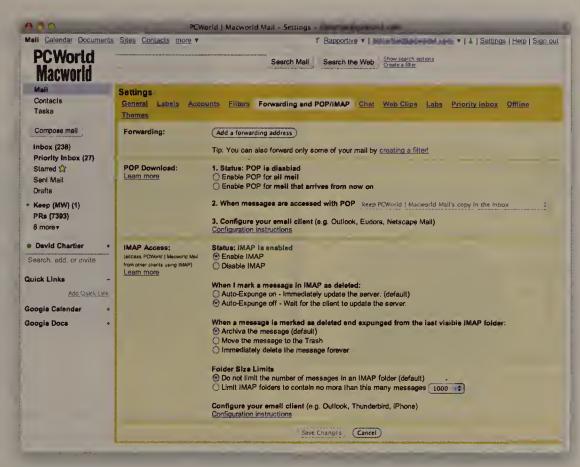
Fine-Tune Your Mail Settings

Now that Gmail is all set, it's time to tweak your Mail settings to be on their best behavior. Go to Mail ▶ Preferences, and select your Gmail account. Click on the Mailbox Behaviors tab.

Here you'll change a number of settings. To begin, enable Store Draft Messages On The Server if you want your drafts to be accessible in Gmail on the Web. Make sure Store Sent Messages On The Server is checked, and that the Delete Sent Messages When pop-up menu is set to Never. Enable Move Deleted Messages To The Trash Mailbox, but disable Store Deleted Messages On The Server. This is the other half of the feature we set up earlier. Mail will create its own Trash folder that is stored locally on your Mac; but in Gmail on the Web, messages will be archived and searchable. Close the settings window and click Save to accept your changes.

Find your Gmail folders in Mail's sidebar, unfurl the folder denoted as [Gmail], and then select the Drafts subfolder. Then select Mailbox ▶ Use This Mailbox For ▶ Drafts. Select the [Gmail] ▶ Sent Mail subfolder and choose Mailbox ▶ Use This Mailbox For ▶ Sent.

Lastly, select the [Gmail] ► Spam subfolder and select Mailbox ► Use This Mailbox For ► Junk. These last three actions ensure that Mail and Gmail are on the same page when it comes to which folders to use for storing these



Gmail Settings Some simple setting tweaks can make Gmail work a bit more smoothly when you access it with Apple's Mail.

types of messages. If you use multiple Macs, do this on each one.

Opt for Some Extras

One of Gmail's advantages is its focus on keyboard productivity. You can quickly label, archive, and delete messages, or even move between labels, all without touching a mouse.

If you want some of that power in Mail, give Indev Software's \$25 Mail Act-On plug-in a try (*****\frac{1}{2}; macworld .com/4632). Mail Act-On lets you customize keyboard shortcuts for doing just about anything you want in Mail. Indev Software's \$30 MailTags (****);

macworld.com/2457) also lets you apply tags and project-management tools to your e-mail in Mail (though with Gmail mail, the tags aren't available to all your Macs).

Mail and Gmail might not be a perfect match, but with a little configuring, they can get along. If you prefer accessing all of your mail offline or harnessing Mail's integration with the rest of Mac OS X, or if you simply have multiple accounts and services to keep an eye on, you can incorporate Gmail into the rest of your communications, whether business or personal, with a minimum of hassle.



Incase Coated Canvas Backpack

Incase's Coated Canvas Backpack (\$130; www.goincase.com) breaks away from the ubiquitous nylon design of so many laptop backpacks these days. The heavy-duty cotton canvas is finished with weather-resistant, metallic-brown coating that makes the bag look like a delicious, wearable chocolate. (The bag also comes in red, blue, and black.) The backpack's main compartment contains a built-in, quilted, rip-stop sleeve that serves as the cushy mobile home for a laptop as large as a 17-inch MacBook Pro. Obsessive compartmentalizers will be disappointed with the bag's minimalistic design, but backpack does offer plenty of space to carry everything most people need, in a comfortable, thoughtfully designed, and stylish package.—pavid Chartier



Web Browser Security Basics

Use your browser's built-in features to avoid scams

BY MARCO TABINI

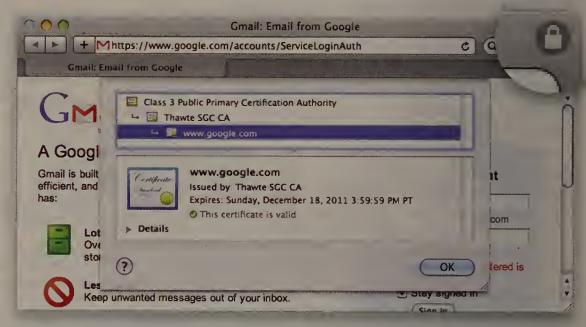
Il you really need to enjoy a safe relationship with the Web is your humble (and usually free) browser, coupled with a bit of knowledge about how things work online.

A Matter of Trust

A normal connection between a browser and a Website takes place completely "in the clear," with all the information crossing the Internet unchanged and unprotected. Obviously, this is no way to conduct a transaction that involves any sort of private information, be it your credit card number, tax data, or even just the password to your Twitter account.

For those purposes, Websites rely instead on a *secure* connection, which establishes trust between your browser and the server to which it talks. Secure connections, which are identified by the use of the *https* prefix in a Website's address, involve two components: privacy and identification.

Privacy is guaranteed by means of encryption: Browser and server agree on a way to transfer data that will make the data look like gibberish to everyone else. Still, a private conversation is not safe unless you also know who you're talking to.



Is It the Right Site? If you see a lock icon at the top of a Safari window (circled), click on it to display a digital certificate, which is intended to prove that the site is legit. Some sites, like Apple.com, use an Extended Validation Certificate, which has more-stringent validation criteria.

distinction is crucial, because the browser's ability to provide a secure environment is strictly technological; for obvious reasons, it can't make judgment calls.

How Browsers Can Help

Typically, the browser will only actively complain about a connection under very specific circumstances—for example, if the digital certificate used by a Website is

the lock, a dialog box pops open, revealing the owner of the digital certificate.

Extra Protection

Scammers have gotten adept at tricking users by choosing addresses that are subtly different from the real thing. Nobody would believe a banking site with the address www.joesfishmart.com, but many can be tricked with a domain like yourb4nk.com, or your-bank.com. And while checking the information attached to the digital certificate will tell you who you're dealing with, doing so isn't always practical.

To overcome this problem, some Websites use what is known as an Extended Validation Certificate (or EV certificate), which is issued only if a stringent set of validation criteria are met. When they encounter one of these certificates, most browsers will offer additional visual cues—in Safari's case, you'll see the name of the site's owner appear in green inside the address bar.

As you can see, a little awareness and some simple tricks can go a long way toward providing a safer browsing experience.

Your browser's ability to provide a secure environment is just technological; for obvious reasons, it can't make judgment calls.

Browsers rely on a tool known as a digital certificate to determine that the Website's address is being used by its rightful owner. Digital certificates are issued by certificate authorities that validate aspects of a business, such as its legal status, incorporation papers, domain ownership, and so on.

Owning a digital certificate doesn't make a Website safe. It just means that the Web address you're visiting is being operated by the entity that owns it. This

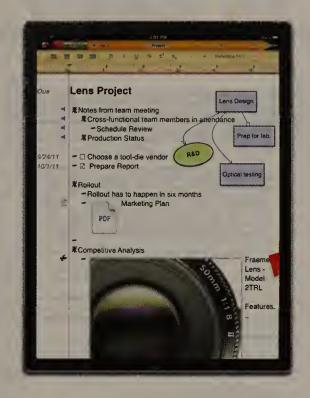
invalid or has expired. Under normal conditions, the visual cues that distinguish secure and insecure connections are much subtler.

It's best to learn when you should *expect* a secure connection—for example, when you're banking online, or when you're on the payment page of an e-commerce store.

Most browsers let you know if a connection is secure. Safari, for example, displays a lock in the upper right corner of the browser's window. If you click on

An Original, Anywhere You Run It





Circus Ponies NoteBook, for Mac and iPad

Stickies, scraps of paper, web clippings, meeting notes, reminders — take control of it all with Circus Ponies NoteBook, the award winning app for managing information. Get organized using a familiar notebook interface, with

pages and tabs, sections and subsections. Take notes using multiple fonts, colors, even attachments. Create voice-annotated notes and review them from your computer, iPad, or iPod. Diagram and sketch when words won't

suffice. Find anything instantly using NoteBook's patented MultidexTM. All this and more while seated at your Mac, or on the go with your iPad. NoteBook has everything you need to get organized, no matter where you run it.

"Buy NoteBook for iPad at the App Store"

"Try NoteBook for Mac, FREE for 30 days" www.circusponies.com/macworld



Henge Docks Docking Station

BY MARCO TABINI

Docking stations help you REVIEW save space and reduce

cable clutter when you use a laptop at your desk. But it's been nearly 14 years since Apple sold any sort of dock accessory, and, until recently, MacBook users have had only one option, BookEndz (\$80 to \$320; www.bookendzdocks.com). Now we've got another choice, thanks to Henge Docks, a company offering stylish and sturdy ways for storing your MacBook or MacBook Pro upright when they're connected to an external display.

Fit and Setup

Each Henge Docks Docking Station sports a full complement of MacBook connections, tailored specifically to a particular MacBook model. You must choose the precise dock that fits your laptop's size and port arrangement.

Picking the right dock can be a challenge, given the variety of Henge Docks models (priced from \$60 to \$75), but the company's Website makes the process easier.

The initial setup of the Docking Station requires a bit of patience and manual dexterity, as the male connectors—really just the plugs at the end of cables—don't come preinstalled; you must manually insert them into the Docking Station's openings before the first use. You thread the various cables through the bottom of

the Docking Station and insert their plugs in the appropriate openings. Once the plugs are aligned, you secure each one by tightening the screws with a hex wrench (included).

For the dock designed for the 17-inch MacBook Pro, Henge Docks includes one ethernet cable, one FireWire 800 cable, two audio cables, and three USB cables. A video cable and a MagSafe power adapter aren't included. Henge Docks doesn't include a video cable because of the variety of cables and adapters necessary to connect to different displays. Apple refuses to license the MagSafe connector, so you'll want to purchase an extra one (for \$79 from Apple) to keep securely connected to the dock—it's too much of a hassle to remove the MagSafe connector every time you need to bring a power adapter with you and then reinstall when you return.

Sturdy and Stylish

Once set up, the Docking Station is a pleasure to use. When you want to dock, you simply slide your laptop into it—the computer fits perfectly, and its weight is more than enough to engage all the various connectors without your having to shove it down. Removal is equally simple: You just hold the dock down with one hand and lift the laptop out with the other—again, with minimal effort. Though the dock is made entirely of plastic, it looks stylish and is sturdy and stable. I also found that it didn't interfere with Wi-Fi and BlueTooth connectivity, letting me use wireless keyboards and mice. Even after several weeks of use, my MacBook Pro shows no sign of scratches, scuffs, or other wear on the exterior.

The dock's design also ensures that the MacBook's remote receiver remains clearly visible, which makes the Docking Station a great accessory for the living room—plug it into a TV that supports HDMI or DisplayPort connections, and you can use your MacBook as a firstclass gaming or home-theater device. In fact, the dock is inexpensive enough that



back on the couch.

Some of your laptop's accessories are inaccessible when it is docked. For example, the MacBook's camera, positioned above its screen, is obviously unusable, as is the MacBook's power button—if you shut down your laptop, you must remove it from the Docking Station to start it up again.

Macworld's Buying Advice

As long as you can live with the limitations that come with a fully docked MacBook or MacBook Pro, the Henge Docks Docking Station is as good as it gets. The product fits the MacBook like a glove without ever making docking or undocking difficult.

Marco Tabini is the cofounder of Blue Parabola, a consulting firm that specializes in information architecture and more.

1/2; \$60 to \$75; Henge Docks, www.hengedocks.com; full review, macworld.com/7134





REVIEWS Hardware and Software for All Your Business Needs



HP Officejet 100 Mobile Printer \triangle

The HP Officejet 100 Mobile Printer is a portable color inkjet printer designed for mobile users. Offering features that are tuned for simplicity and portability, the Officejet 100 is small and solidly constructed. It weighs 5.5 pounds including the battery, which makes carrying it akin to toting around a MacBook Pro. The top cover folds back to create a 50-sheet rear vertical feed, but the printer has no output tray. Controls are minimal. Speed is not the Officejet 100's forte. Printing black text and simple monochrome graphics at default settings, the unit averaged a lackluster 3.6 pages per minute. Printing small color photos on plain paper, it managed a competent rate of 2.7 ppm. Our full-page test photo printed at a tortoiselike 5.5 minutes. Still, impressive print quality helps mitigate the long wait. Text is nearly laser-quality in its precision, and monochrome graphics look smooth. Ink costs are higher than average. The standard-size HP 98 black cartridge delivers at 5.5 cents per page. The HP 95 tricolor (cyan, magenta, yellow) prints at 8.8 cents per page (macworld .com/7135).

**\frac{1}{2}; \$279; HP, www.hp.com

ioSafe SoloPro 1TB ▷

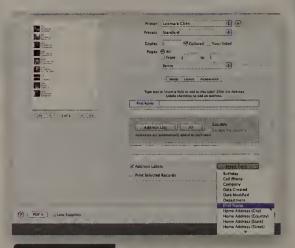
Meant to survive conditions that standard hard drives cannot—namely fires



and floods—an ioSafe drive such as the SoloPro is ideal when you're worried

about the worst thing imaginable happening to your home. According to the manufacturer, the SoloPro is fireproof up to 1550 degrees Fahrenheit for up to 30 minutes. Similarly, ioSafe claims that the drive can keep ticking in up to ten feet of water for 72 hours. The secret is an airtight seal that wraps around the drive itself. This seal is encased in a heat resistant set of blocks that are heavy and sturdy, and that "sweat" when presented with heat. ioSafe backs up its claims with a stellar Data Recovery Service and a three-year warranty. The company also offers three- and five-year Data Recovery Service plans, at an additional cost. The SoloPro is a USB-only desktop drive, so don't expect it to set any speed records. That said, the drive did surprisingly well in our tests, particularly with the Read 2GB Folder, Write 2GB Folder, Read LargeFile.zip, and Write LargeFile.zip tasks. It scored best in class, in fact (macworld.com/7136).

\$\$\$; \$250; ioSafe, www.iosafe.com



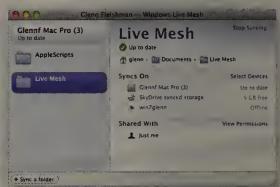
SOFTWARE

Bento 4 A

Bento 4, FileMaker's personal database application for the Mac, is a perennial favorite because of how easy it is to use and how easy it is to sync data between the program on your computer and your iOS devices. But there have been completely justifiable complaints about Bento—for such a consumer-focused

application, it lacked some very obvious consumer-focused features. Namely, it was impossible to print labels with the application unless you resorted to a workaround. Additionally, while Bento allowed you to print your data, the results didn't look professional. Bento 4 fixes that by offering more than 250 label templates and letting you create your own. In addition, Bento 4 has a number of new field types that allow you to take advantage of location and audio information collected when you use Bento's iOS apps. In short, Bento 4 has become an excellent and inexpensive way to manage a variety of data (macworld .com/7137).

\$\$\$\$\frac{1}{2}\$; \$49; FileMaker, www.filemaker.com



Microsoft Live Mesh \triangle

Live Mesh is an online storage service from Microsoft, but it doesn't work the same way that competitors like Box.net or Dropbox do. The name provides a bit of a hint: A mesh network is one in which each peer can exchange data with any other, without some central system serving as the conduit. Once you install and launch the Live Mesh software, you choose which of your folders you want to sync. You may choose one or more destinations, which can include any of

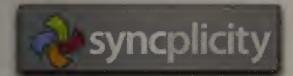
Find It Online

For expanded reviews, type the blue URL at the end of each summary into your browser's address bar.



your other computers—on which you have installed and activated the desktop software—or Microsoft's free SkyDrive online storage service. (If you do use SkyDrive with Live Mesh, Microsoft allows you to use only 5GB of your 25GB storage allotment for syncing; there are no paid upgrades.) If you want to share folders with other users, you go to the Live Mesh Website and enter the e-mail addresses of those you want to share with (up to nine people per folder). They must have a Live Mesh account and the Live Mesh desktop client installed. Windows Live Mesh 2011 works just fine for informal use, but its relative lack of storage and other limitations make it a poor choice for group use (macworld .com/7138).

\$\$\$; free; Microsoft, explore.live.com



Syncplicity \triangle

Syncplicity looks much like other online storage services, offering file synchronization and archiving. But Syncplicity differentiates itself by tightly integrating with Google Docs: Syncplicity's filesyncing tools talk directly to Google's servers. That means you can synchronize copies of all files in your Google Docs storage area with Syncplicity's cloud storage service and with any computers set up with Syncplicity's desktop sync. Open and modify Google Docs files with Mac desktop tools such as Microsoft Word or Excel. In the Web interface, use Scribd iPaper for reading Web files, Zoho for editing them, and Picnik for editing images. You can, of course, still edit documents at Google's Docs Website. Wherever and however changes are made, once saved they are propagated everywhere else. Free accounts sync only two computers; paid personal accounts work on up to five. There's no limit for business accounts (macworld.com/7140).

\$\$\$\\\^12\$; free; personal edition, \$15/month; business edition, \$45/month; Syncplicity, www.syncplicity.com



BUSINESS CENTER News and Analysis about Macs in the Workplace



Office 2011 Update **Improves Syncing**

Microsoft has released the first service pack for its Office 2011 suite. The most significant improvement is that Outlook 2011 now works with OS X's Sync Services, meaning that you can synchronize Outlook calendars, contacts, tasks, and notes with other apps.

Unfortunately, in the time it took Microsoft to add that support, Apple announced that MobileMe would no longer work with Sync Services. So even though Outlook calendars can now synchronize with Sync Services, as of May 5 those calendars won't sync with MobileMe. So if you were hoping to wirelessly sync Outlook calendars to your iPhone via MobileMe, you won't be able to; you'll have to synchronize the old-fashioned way, via iTunes. (Of course, if you sync those Outlook calendars to an Exchange server, you can still wirelessly sync them to your iOS device that way.)

There are other aspects to the service pack. Among the more notable: The update fixes overall security issues. Outlook now supports Exchange-based server-side rules. There are also new redirect and resend buttons in the e-mail program. The service pack is available from Microsoft's Mac downloads page (www.microsoft.com/mac/ downloads).-DAN MILLER

World's Thinnest Portable Drive

Storage giant Seagate is selling what it maintains is the world's slimmest ever portable hard drive—and the company's claim stands up to scrutiny: The new GoFlex Slim drive (macworld.com/7141) is an impressive 9mm thick.

For comparison purposes, consider that the company's current GoFlex portable drive is 14mm thick. The new drive's width is about the same as that of a pencil and not much larger than many smartphones. It weighs only 160 grams—slightly more than an iPhone.

Internally, the GoFlex Slim drive incorporates a new version of the Momentus Thin drive, which was announced in late 2009. That drive is 7mm thick, which means that the GoFlex Slim adds only 1mm of casing on either side for protection, although modern 2.5-inch drives come with shock absorption built in, the makers say.

The drive features a 7200-rpm spin speed and USB 3.0. The drive is unencrypted at rest, but it does come with a backup suite that allows for 192-bit DES encryption. Pricing starts at \$100 for the entry-level 320GB model. Larger capacity models were not available at press time. - JOHN E. DUNN



Phishing Attacks Down Dramatically in 2010

The volume of phishing attacks dropped in 2010 to less than a quarter of what was seen in the previous two years, according to IBM's annual research report on threats and risks. (There was still plenty of spam, however.)

IBM researchers aren't sure why phishing has waned, though the apprehension of a major Romanian phishing gang last May likely helped, says Tom Cross, a researcher at IBM. Cross says it may be that phishing isn't paying enough and that attackers are shifting their attention to something "more lucrative, such as ATM skimming."

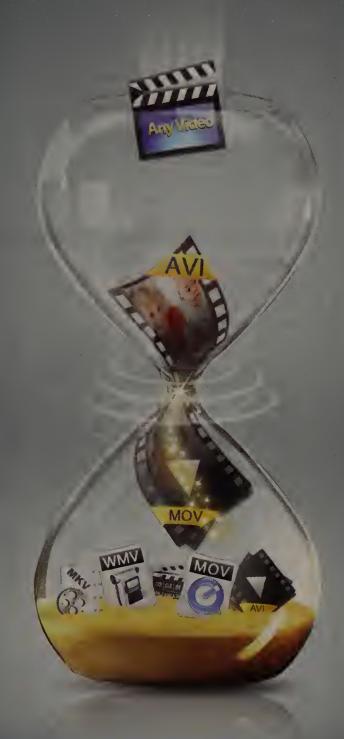
Half of all phishing attacks were directed at financial institutions and their customers remained the target of phishing attacks, according to the report. Other specific attack targets included auctions, online payments, and government organizations.

The most popular subject line in a phishing attack, seen about 9 percent of the time, is "Security Alert—Verification of Your Current Details." One of the weirdest, seen in 3 percent of attacks is "Welcome to Very Best Baking!"

In tracing the origin of phishing e-mails, IBM research shows India is tops at 15.5 percent, Russia at 10.4 percent, Brazil at 7.6 percent, the United States at 7.5 percent, and Ukraine at 6.3 percent.—ELLEN MESSMER

A MUST HAVE Video Tool

Convert, Edit, Play ANY Video



Go to www.weiriers for a compliment

Or use coupon code; MAC 45K2D456K5 | Coupon code is only valid when you choose Order Via SWREG)



Video Converter Ultimate Mac



Convert, Edit, Play ANY Video

- Easily convert video and audio files in AVI, MP4, MOV, FLV, 3GP, MKV, and others to playback on iPod/iPhone/iPad, Sony PSP, and Android devices
- Convert video and audio files to play in Quick Time or edit in iMovie, Final Cut Pro etc
- Burn videos to DVD for archiving
- Download web videos to watch with fluent speed



wondershare™

Copyright © 2011 Wondershare Software Co., Ltd. All Rights Reserved

PLAYLIST

Everything You Need to Know about iPods, iTunes, and Mac-based Entertainment

Your Music in the Cloud

How to use Amazon Cloud Player with your Mac and iOS device

BY CHRISTOPHER BREEN

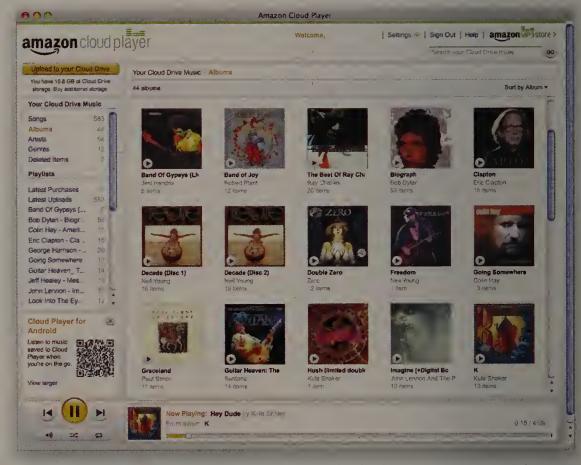
mazon.com recently introduced Cloud Player, an Internet-based service that allows you to store music (5GB for free) and access it from a Web browser, an Android device, and an iOS device. Follow these steps to get started with Cloud Player.

Step 1: Launch Cloud Player

Travel to the Amazon MP3 site (www .amazon.com/MP3) and click Launch Player. In the resulting screen you'll be prompted to sign in with the e-mail address and password associated with your Amazon account. (If you don't have an Amazon account, click the "New Customer? Start Here" link at the top of the page to sign up for an account. A credit card is required.) Enter this information, and click the Sign In Using Our Secure Server button.

Step 2: Download MP3 Uploader

On the resulting page, you'll see the contents of the music folder on your Cloud Drive (Amazon's name for its online storage space). Here you'll find entries for Songs, Albums, Artists, Genres, Deleted Items, Latest Purchases,



Cloud Player Once you've uploaded music to your Cloud Drive, you can organize it into playlists, as well as play it from any computer (and, with some help, from iOS devices).

Step 3: Upload Some Music

The MP3 Uploader will churn through your iTunes library and eventually detail the number of songs and playlists it

You're not confined to uploading just tracks in your iTunes library. Click the Browse For More Music entry at the top of the window.

Latest Playlists, and Create New Playlist. If you don't have a copy of Amazon's MP3 Uploader, a window will appear prompting you to download it. This Adobe AIR application makes it easier to locate tracks in your iTunes library and upload them to the Cloud Drive.

found that aren't on your Cloud Drive. Near the bottom of the window you'll see the amount of storage you have available and how much more storage you'll need in order to upload all your compatible music (along with a Buy Additional Storage link). Compatible music includes MP3 and unprotected AAC files. The service doesn't support WAV, AIFF, Apple Lossless, FLAC, or Ogg file formats. You also can't upload tracks greater than 100MB, or ringtones, podcasts, audiobooks, and, according to Amazon, "other non-music audio files."

If you have a fairly small music collection that can fit in 5GB of storage, just click the Start Upload button. The estimated time it will take appears in the window's bottom-right corner. If, like many of us, there's no way all of your music will fit, click the plus-sign (+) button next to the All Music entry. This reveals Playlists and Artists entries with plus-sign buttons next to them.

Click the plus-sign button next to one of these entries, and you'll see your iTunes playlists and artists, respectively, with a checkmark next to each one. If you click the plus-sign button next to a playlist, you'll see the contents of that playlist, but you won't be able to upload individual tracks from that playlist—it's all or nothing. However, you *can* select individual albums and tracks listed under the Artists entry. To deselect everything in these lists, just uncheck the main Playlists and Artists entries.

You're not confined to uploading just the tracks in your iTunes library. If you click the Browse For More Music entry at the top of the window, a Select A Folder window appears, from which you navigate to other tracks you'd like to upload. Once you've selected the tracks you want, click the Start Upload button.

Step 4: Organize and Listen

Now return to Amazon MP3 and click Launch Player. From there, you can click the Create New Playlist link to start a playlist; or you can mouse over an album or artist, click the triangle that appears, and select Add To Playlist.

To play your music from your browser, select some music and click the Play All button. Or just click the Play icon that appears next to tracks when you hover your cursor over them. The Cloud Player streams tracks to your computer at their native bit rate. Upload a 256-kbps MP3 file, and that's what you'll hear.

Upload music to your Cloud Dri	Ve Walcoms	Help 🗸 1	amazon cloud	płayer
Music on your computer	. Show previously uploaded music	# of Bongs	8/ze (MB)	
[= ♥ George Harnson		67	354 7	-
*) All Things Must Pess (Disc One)		14	55.0	
*; All Things Must Pass (Disc Two)		14	60.7	
⊎ 💝 Live In Japan (Disc 1)		10	38 8	
±! ✓ Live in Jepsn (Disc 2)		9	46.9	
		1	3 7	
± ♥ Goo Goo Dolls		1	4.4	
Gov't Mule		97	1,135.8	
✓ Grandmaster Flash		1	6.8	
• Grateful Dead		243	1,639.2	
🛫 🔽 Green Day		1	3.2	
28 playlists and 670 songs not in	ncluded. View these items and learn about sup-	ported file types		
42 pleylists end 5,039 songs sels clad to upload		ted time remaining se or exit at any time o		

MP3 Uploader Amazon's uploader app is the way to add some or all of your local music to the cloud.

When first released, Cloud Player didn't officially support the playback of these tracks on an iOS device—though you could manage the task by using an iOS browser other than Safari. Fortunately this is no longer a concern. Even though you'll see a notice stating that your iPhone, iPod touch, or iPad isn't supported when you try to access Cloud Player from Safari on the iOS device, just tap Continue to be taken to the Cloud Player page. Once there you can play a track by tapping to select it and then tapping the Play button that appears next to the track. Tap Play All to play all the tracks in the current playlist.

Step 5: Download Your Tracks

As hinted at previously, you can not only stream your music, but also download it. To do so, select the tracks you want to grab, and click the Download button. The Amazon MP3 Downloader will launch (you'll be prompted to download a copy if you don't have it), and the music will download to your computer.

Step 6: Get More Storage

If you purchase an album from the Amazon MP3 store by the end of 2011, you'll be upgraded to 20GB of storage for a year from the date of your purchase. And any future purchases you opt to store directly on your Cloud Drive don't count against your storage limit.

You can also click the Buy Additional Storage link at the top of the page to

purchase 20GB, 50GB, 100GB, 200GB, 500GB, and 1000GB plans for \$1 per gigabyte per year (\$50 a year for 50GB, say).

Note that you can use the storage for more than just music. Amazon's Cloud Drive, as the larger service is called, offers folders for documents, music, pictures, and videos.



Amazon Unveils Kindle Lending Library

BY LEX FRIEDMAN

Later this year, Amazon will launch the Kindle Lending Library, a feature that will allow Kindle customers to borrow books from 11,000 libraries across the United States. The Kindle Lending Library—which Amazon is forming in partnership with digital media distributor OverDrive (www.overdrive.com)—will work with all Kindles and with all Kindle apps, including the Mac and iOS editions.

Customers will be able to borrow Kindle e-books from their local libraries and start reading them instantly. If you check out a Kindle book a second time, or later buy your own copy from Amazon, you won't lose any notes and bookmarks you've added; they'll remain linked to your Amazon account.

Currently, only a fraction of Kindle books are lendable by individuals, and most publishers dictate that book owners may lend each of their lendable e-books only once.

Amazon hasn't said whether libraries will be restricted to loaning out a single copy of an e-book at a time (as they would be with paper books), though that restriction is part of OverDrive's current agreement with publishers.



Stream Classical Music from Naxos Library

BY KIRK MCELHEARN

ost subscription music services take a generalist approach, offering music in a wide variety of genres, with a bent toward popular music. But another streaming service has been quietly offering huge quantities of classical music for several years: the Naxos Music Library (www.naxosmusiclibrary.com).

Naxos is a classical label and a distributor of many other labels around the world. The Naxos Music Library features all of the recordings available from Naxos (some 3000 discs), in addition to music from more than 300 other independent classical labels. The scope of the Naxos Music Library is mind-boggling for a service primarily devoted to a single, specialized genre: It currently claims to offer 52,000 CDs containing more than 750,000 tracks,

and it adds 800 new CDs per month (although mostly classical, you'll find some assorted jazz, world, and other music).

How It Works

Like most streaming services, the Naxos Music Library uses a Flash-based player. You start by searching on the Naxos Website or by viewing a list of new releases. Click on a link to view the contents of an album, then choose the tracks you want to hear. You can listen to individual tracks, or you can select a full work with a single click. You can also make up playlists of music from different recordings or of albums that you want to sample later. (You can also purchase downloads of the music if you want to own it.)

The Naxos Music Library is not really designed for casual listeners, however—



iOS Device The NML app lets you stream music from the Naxos Music Library.





it's mainly targeted toward institutions, such as universities and music schools—and its price reflects that. Individuals pay either \$225 a year for a high-bandwidth version (128 kbps) or \$150 a year for a low-bandwidth version (64 kbps), or they can opt to pay \$25 or \$15 a month, respectively.

How It Sounds

The music, when streamed at 128 kbps, generally sounded good enough on the sound system connected to my Mac. But I did come across some problems with fuzzy sound (Naxos says that those problems were probably in isolated files), and in some cases the bit rate was insufficient. At 64 kbps, the music was a bit flat but still listenable.

You can also use the NML app to listen on an iOS device (macworld.com/7176), and Naxos says that if you have the high-bandwidth subscription and a good connection, it will try to stream via

the app at 128 kbps. Otherwise, it streams at only 64 kbps.

The supporting information available for the music—biographies, descriptions of works, libretti, and even PDF liner notes for some recordings—shows that this is as much a library of information about music as

a streaming music service.

Nevertheless, there's no reason why a serious classical music fan wouldn't want to pay for this service. Although you won't find top-tier artists on most of the labels present, these are all excellent independent labels that most



Mac On your Mac, the Naxos Music Library player is a Flash-based window, similar to those of most other streaming services.

classical music lovers are familiar with, and the breadth of the selection is impressive. (It's worth noting that Naxos also has a Spoken Word Library of audiobooks, a Video Library, and one called Music Library Jazz. All of these services are billed separately.)



REVIEWS Home Entertainment Hardware, Software, and Accessories



Altec Lansing inMotion Air Bluetooth Speakers \triangle

Altec Lansing's inMotion Air is a compact Bluetooth speaker system that works well with Macs and iOS devices alike. At \$200, it faces tough competition from the excellent Jawbone Jambox portable macworld.com/6744), which is much smaller and more attractive. The inMotion Air, however, can play notably louder than the Jambox, plus it offers more playback controls, a wireless remote, and more connection options (macworld.com/7160).

* \$ \$ \$; \$200; Altec Lansing, www.alteclansing.com



CasaTools CasaTunes XLi Music Server \triangle

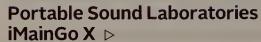
The CasaTunes XLi music server is a low-profile PC outfitted with CasaTools' six-channel audio card. It runs the Windows 7 Home Premium operating system and the company's CasaTunes music server software. Using that software, you can send music from six separate sources (five internal libraries, including iTunes, as well as one external device) to as many as six sets of powered speakers. The XLi isn't bad, and you shouldn't have to deal with Windows after the initial setup—you can control the music server via a Web browser on your Mac, or with an iOS app. But the XLi's high price and inability to stream popular Internet media limit its appeal (macworld .com/7161).

*** 1/2; \$2600; CasaTools, www.casatunes.com

Logitech Rechargeable Speaker S715i >

Logitech's Rechargeable Speaker S715i is a slim, black-plastic-and-metal speaker dock for the iPhone and iPod that combines portability, a built-in rechargeable battery, and impressive audio quality. When the S715i is plugged in, it charges both its own battery and that of your iPhone or iPod. Logitech says that after fully charging the S715i (which can take up to ten hours), you can expect about eight hours of battery life. Despite its small size, it provides shockingly powerful sound (macworld.com/7162).

🛊 🛊 🛊 🖟 ‡ 1/2; \$150; Logitech, www.logitech.com



The iMainGo X is the latest in Portable Sound Laboratories' line of speaker cases for the iPhone and iPod touch. The biggest difference between the iMainGo X and its predecessors is that the iMainGo X uses a rechargeable, lithium ion battery instead of four AA batteries. Portable Sound Laboratories says that the battery can last



up to 12 hours; in our testing, the battery lasted 11 hours and 40 minutes with the MacBook Pro's volume set halfway between minimum and maximum. The iMainGo X's battery powers only the speakers—it doesn't charge your iPod's or iPhone's battery. The iMainGo X takes what worked in previous iMainGo products—the protective, zippered speaker case and the good sound quality—and improves on it with a rechargeable battery and headphone and audio-in jacks. It's an excellent portable audio player for your

(macworld. com/7163). *******; \$70; Portable Sound

Laboratories,

imaingo.com

iPhone or iPod touch



iPods: Current Lineup PRODUCT SPECS DISPLAY 2.5-inch color iPod Classic 160GB \$249 36 hours of music playback; 5262 6 hours of video playback 40 hours of music playback; iPod Touch 8GB 3.5-inch color (Retina) 7 hours of video playback 3.5-inch color 40 hours of music playback; (Retina) 7 hours of video playback 64GB \$399 3.5-inch color 40 hours of music playback; 6555 (Retina) 7 hours of video playback iPod Nano 8GB \$149 1.5-inch color 24 hours of music playback; 6551 5 hours of video playback 16GB \$179 1.5-inch color 24 hours of music playback; 6552 5 hours of video playback iPod Shuffle 15 hours of music playback

All prices are Apple's prices, a In a browser's address field, typing a find code after macworld.com/ takes you to a

Looking for a high performance storage upgrade for your Mac?

There's an SSD for that.



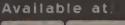


OCZ SOLID STATE DRIVES

Why hold back your state-of-the-art Mac with archaic storage? Even today's best hard drives can't come close to the speed of SSD technology, and OCZ Solid State Drives offer unparalleled performance for a faster and more responsive computing experience. But more than just a speed boost, an OCZ SSD promotes cooler, quieter, and more energy efficient conditions compared to traditional mechanical hard drives. Upgrading is a snap, and OCZ makes it easy to find the perfect fit with a wide range of capacities and price points to choose from.

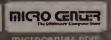


the SSPerts!

















Scosche SneakPeek II

Sometimes you want to watch iPod-, iPhone-, or iPad-hosted video on a larger screen. Apple sells both an HDMI adapter and a VGA adapter that each work with recent iOS devices, but for older iOS devices, as well as older TVs and projectors, you need either component- or composite-video connections. Instead of spending nearly \$80 on Apple's two cables just to be sure you have the right one, check out Scosche's \$60 SneakPeek II Switchable Component & Composite Audio/Video Cable. This many-cabled accessory—which supports all iPhones, iPod touches, and iPads, as well as the iPod with video, the iPod classic, and the third-generation and later iPod nanosports both component and composite connections, letting you easily switch between the two. There's even a MicroUSB port—and an included MicroUSB cable—for charging your device while you watch it. Scosche says that on iOS devices the cable works with iPod video playback, Photos, AirVideo, YouTube, Netflix (iPhone 4 and iPad), and Keynote (www.scosche.com).--DAN FRAKES

Paul Frank Julius Dance Machine

Looking for a way to listen to your iPod-hosted tunes and add a bit of hipster style to your desk or dresser? The \$100 Paul Frank-designed Julius Dance Machine iPod Docking Station is right up your alley. The cute iPod-holding primate features two 2.5-inch speaker drivers, and can run off AC power or, for up to 6 hours, off a built-in rechargeable battery. Best of all, you adjust the volume level by pressing the monkey's little ears (shop.paulfrank.com).—dan frakes



Mophie Juice Pack Powerstation

There are lots of external battery packs for charging and powering iPods and iPhones,



but not many of them can handle the iPad's power demands (see macworld .com/7165). Mophie's \$100 Juice Pack Powerstation is an exception. This 4.3-by-2.9-by-O.7-inch battery block offers 3600mAh of juice, and its 2-amp output is enough to fast-charge an iPad. The battery also features short-circuit, overcharge, and temperature protection, and a standby switch keeps the battery from draining when it isn't in use. Plus, a six-LED charge-status indicator lets you know how full your Powerstation is before you head out. Mophie says that the battery is good for 500 charge cycles (www.mophie.com).-DAN FRAKES

Aviiq Portable USB Charging Station

Most road warriors carry more than one device that needs charging. Aviiq's \$80 Portable USB Charging Station is a nifty travel case that hosts a powered USB hub for charging up to three devices on the go. The company describes it as "the solution to misplacing cables and chargers for your multiple mobile devices." An included AC adapter provides the power, while a data port lets you sync an iPhone, iPad, or iPod with your computer while it's charging. Convenient pouches keep all those cables under control, and the whole thing

folds and zips up to fit easily in your bag or carry-on luggage (www.aviig com).-DAN FRAKES



JBL ONBEAT

Like the Mophie battery pack, above, JBL's \$150 OnBeat works with iPhones, iPods, and iPads, addressing the iPad's special requirements. Its floating dock-connector cradle keeps your iPhone or iPod snug in portrait or landscape orientation, but can also accommodate a portrait-mode iPad. Despite its compact size, the OnBeat pumps out 15 watts of power through stereo speaker drivers. The included remote control lets you navigate your device's menus, and composite-video output lets you watch iOS-device-hosted video on a TV. You can even connect the OnBeat to your computer to sync your device (www.bl.com).--DAN FRAKES



| DESKTOP LUXURY |

Introducing the world's first full-digital USB multimedia speaker system. As a true hi-fi speaker with captivating design, cubik makes an ideal partner for your Mac. It's high-resolution digital amplifier and lossless digital USB streaming interface deliver jaw-dropping sound.

"Cubik is backed by speaker pawer unmatched by other speakers in its class. It delivers an every level."
- Myteklife Magazine - /

"They are campact, connect easily, and the saund is great."
-JK fram Newpart News -

"I bought these speakers last week and all I can say is WOW!"
- AT fram San Fransisca-





DIGITAL PHOTO

Techniques and Gear for Shooting, Editing, and Managing Great Photos

Online Photo Albums Get Collaborative

Assemble your friends' and family's photographs into a communal album

BY MEGAN GEUSS

or most events, parties, family gatherings, and vacations, there isn't just one designated photographer in charge of taking and sharing all the pictures. It's more likely that photos from various people will end up sprinkled across online galleries, posted to social media sites, or circulated via e-mail.

Instead of each person uploading personal albums to a separate site or figuring out who's on Facebook and who's not, try creating a collaborative album online. Here are five resources for carrying on the togetherness online, even after the party is over.

MobileMe

If you use Apple's MobileMe service (\$99 per year; macworld.com/7186), you already have the power to create collaborative albums. Best of all, you're the only one who needs a MobileMe account—you can allow anyone you want to add photos once you've created the album. To create a collaborative album from iPhoto, go to the album's Info pane and click Change Settings. In the resulting pop-up window,



MobileMe, and You Too Your collaborators can add photos to your MobileMe album by sending them in an e-mail or uploading them directly through a browser.

your group. To get the word out, click the Tell A Friend button in the album's Info pane, and iPhoto will compose an e-mail with all the info they need to contribute.

If you shoot photos with your iPhone and use the MobileMe Gallery app, you

use other ways to get your people to add photos to a single album. Yogile (www.yogile.com) is a site that greatly simplifies the album-creation process.

After you create a free account, Yogile prompts you to create an album password and an album-specific URL. To upload pictures, just send them via e-mail to your album's custom e-mail address and include the album password in the subject line. The photos will be automatically uploaded. Getting others to contribute to your project is as easy as giving them the e-mail address and the password to your album (for the privacy-minded, the album password is not your overall Yogile gallery password). This site is definitely fast and easy to use, and, unlike with Flikr and Picasa, the default setting for your albums is Private—you have to actively seek out the option to make your album public.

Create a collaborative album online to collect images from all the shutterbugs at one event.

check the boxes under Allow For Uploading Of Photos Via Web Browser, and Adding Of Photos Via Email.

To limit access to the album, you can specify exactly who can see and add images to it. Create a group name and password, and then select that group from the Album Viewable By drop-down menu. Share the name, password, and URL with

can choose who sees the album and then allow viewers to upload the awesome shots that you didn't get from their browser at home.

Yogile

If you don't use MobileMe and paying \$99 per year for a syncing service doesn't jibe with your budget, you can

The downside is that you can upload only 100MB per month, unless you pay \$25 per year for an upgraded account.

Group Story and Mixbook

Group Story (groupstory.com) and Mixbook (mixbook.com) are collaborative-album sites that are focused on creating a scrapbook-like finished product. For a more controlled online scrapbooking experience, use Group Story, which lets you and your friends add pictures or scrapbooked pages to an album through premade templates. Neither site requires that you have Flash installed to create book pages, unlike the popular Scrapblog.com site. There's an easy-to-find Invite Contributors icon that lets you send an e-mail invite to your friends.

Both of these sites are specifically focused on album teamwork and allow you to publish your scrapbook as an actual printed book. Mixbook is pretty focused on getting you to purchase your scrapbook as a book; you have to choose a "book style" when you begin, even if you have no intent of ordering a tangible scrapbook.

Group Story's books start at \$16 and Mixbook's start at about \$5.

Keepsy

A new Website called Keepsy (keepsy .com) allows you to invite friends via Twitter or Facebook to collaborate on a printed album. If they're not social networkers, your friends and family can still add images by sending them to the album's dedicated e-mail address. As a twist, contributors can all pitch in to pay for a printed album—a great idea for a group birthday, wedding, or graduation gift.

To get started, pick a theme for your album and upload a few starter photos. Each page design can be customized with custom frames, background designs, clip art, text, and doodles. Instagram users can make an album from all old Instagram pictures and captions. Creating the online album is free, and printed albums cost \$30 and up for an 8-by-10-inch book containing up to 30 pages.

Megan Geuss is a staff editor for PCWorld.

The Flip Is Dead

BY CHRISTOPHER BREEN

In a cost-cutting move, Cisco has determined to set its Flip pocket-camcorder division adrift. Let's take a look back at the history of the groundbreaking gadget, and why it didn't succeed.

The Appeal of Blinding Utility

Cisco reportedly acquired Pure
Digital, the original developers of the
Flip camcorders, for nearly \$600
million in 2009. That's \$600 million,
paid by a company best known for
corporate networking solutions.

When I first laid hands on my Flip video camera, I was bowled over. It cost less than \$125, fit easily into my pocket, shot darned good standard-definition video, and could be operated by a modestly dexterous corpse. In an age when people were just starting to document every burp and tickle on YouTube, an inexpensive and ultra-convenient pocket camcorder seemed like a natural.

I was so enthralled with the Flip that I wrote a book about the thing (macworld.com/7187). From my own experiences, I have to think that some person in a similar position at Cisco acquired his or her own Flip camcorder and, in an unguarded moment, thought, "This is the next iPod!"

Even Apple took the Flip seriously so much so that when Steve Jobs announced the video-cameraequipped fifth-generation iPod nano, he compared it directly to a Flip camcorder. As it turns out, the 5G nano's video camera was no great shakes (macworld.com/5379), particularly when compared with a dedicated pocket camcorder. But the fact that the Flip could garner this kind of mention from Steve Jobs, as well as possibly influence the design of Apple's best-selling non-touchbased iPod, says something about the attractiveness of the device.



Good Enough Is Good Enough

Unfortunately for the Flip, most people aren't very discerning. People already have point-and-shoot cameras that take movies and phones that can shoot mediocre video. How did this video-only device fit into their lives?

Yes, the Flip is much more portable than a point-and-shoot, shoots far better video than a phone, and is incredibly easy to operate. But that's precious little balm for those who just want to post YouTube movies. The target user for the Flip is someone who wants to whip out a camera to record a spontaneous event. This user doesn't care much about video quality and is hesitant to drop more than a hundred bucks on a dedicated camcorder when the phone in their pocket is good enough.

Alley-oop!

Finally, Cisco, unlike Apple, never figured out how to get people to buy The Next One. If you had a recent Flip MinoHD, what incentive did you have to buy this year's model? For most people, the Flip they owned was perfect just as it was.

Cisco tried to entice customers to trade up by offering greater capacity and a flip-up "widescreen" 3-inch display, but it was nothing truly evolutionary.

Despite appearances, I come to praise Flip rather than simply bury it. It was a respectable idea, nicely implemented. Yet it fell victim to the dream-now-made-flesh: the iPhone, iPod touch, iPad, and other convergence devices of their tantalizing ilk.



A Camera, an iPad, and a HyperDrive

Solving the iPad storage shortage faced by photographers using a Camera Connection Kit BY BEN LONG

took a 21-day trip in Turkey, shooting raw files with both a 21-megapixel SLR and a 12-megapixel point-and-shoot. I wanted a setup that traveled light, gave me ample storage, allowed some light photo editing, and let me share images with friends and family back home. An iPad met most of those needs, but its limited storage was an issue.

Image files are large, especially if you're shooting raw. The iPad 2's 16GB of RAM just wasn't going to cut it. For me, a 64GB iPad would also be too little, even without any media or applications. I solved my storage problems by adding a Sanho HyperDrive to the mix.

Additional Memory

There are devices for backing up images in the field, such as the 250GB Digital Foci Photo Safe (\$130; macworld.com/7188), but there's no way to get images out of the Photo Safe and onto the iPad if you want to edit or share them.

The HyperDrive iPad Hard Drive, like the Photo Safe, is a battery-powered hard drive with media slots for Memory Stick, SD, and CompactFlash cards. I bought the enclosure-only option (\$249; macworld.com/7189) and stuck in my own 750GB drive.

The HyperDrive includes a 3-inch screen that allows you to review your images after transfer, or to select specific images to transfer. It also provides an easy-to-use interface for the Hyper-Drive's more advanced features.

For example, by selecting the Manager option, you can manage the files that you've already copied to the drive. You can delete, copy, or move files. Although the interface to these options is a little clunky, they're not operations that you're likely to perform that often.

What makes the HyperDrive unique is that you can plug it into the iPad via the iPad Camera Connection Kit (****; macworld.com/6259). When you select



iPad mode, the HyperDrive prompts you to select a folder, and then it makes that folder visible to the iPad just as if it were a camera being connected. In other words, the Photos application pops up on the iPad, and all of the images in the folder on the HyperDrive become visible. You can then select the ones you want to import.

The HyperDrive is a great solution for iPad storage problems. You can dump huge batches of images onto it, but only pull in a handful to your iPad that you want to edit or review, or that you need to submit for work or send to friends.

Image Editing

With my storage problem solved, I now have the option of editing any image that I've shot at any time during the trip. I can browse images on the HyperDrive to zero in on the folder that the image is stored in, and then connect the HyperDrive to the iPad to import the images I want.

When I'm done with my image editing, I save the JPEG files to the iPad's Photos app, and then erase the

raw file in the Photos app. I still have the raw file on the HyperDrive, so by storing only JPEGs of my finished images, I maximize the use of the iPad's storage. Ultimately, when I get home, I'll re-edit many of the images in Photoshop.

After transferring images to the HyperDrive, I leave them on the card and go to the next empty card. When it's full, I transfer and move on to the next card. I don't start reusing cards until my entire collection is full, and then I start reusing with the smallest card first. This affords me a tiny bit of redundancy—my most recent images will still be on the cards if something happens to the drive.

Bonus Feature

There's an added bonus to the Hyper-Drive. With only a few gigabytes of storage free on the iPad, I can't carry a lot of movies. But I can delete movies from the iPad as I watch, and import more into the iPad Photos app from the HyperDrive later.

More than words. Possibilities.



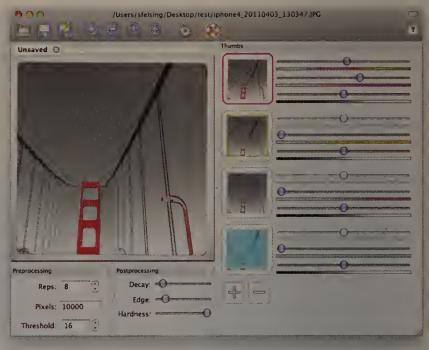
RosettaStone =





RosettaStone.com • 1 (866) 243-9005





Pick a Hue Inexpensive Mac apps like iSplash (left) and Tintii (right) are simple image editors that isolate only select colors.

Add a Dash of Color to Any Photograph

These color-spotter Mac apps can bring out your artistic side

BY SAM FELSING

opular and inexpensive, these one-trick image-editing applications let you transform a color image into black and white, and then recolorize selected portions of the photo. Already a hit on the iPhone and iPad, these applications are now filling up the Mac App Store. Here's a look at the best Mac apps for selective hue editing.

T-Bone's iSplash

It doesn't get any simpler than iSplash, an incredibly intuitive application for restoring color selectively. When you upload a color photo to the application, it is automatically turned in to black and white. If you want any portion of the uploaded photo to regain its color, click the Color Splash button and highlight the desired areas with your mouse. If you highlight too much of the photo, you can click on the app's Gray Splash button and desaturate the areas you overhighlighted.

The app lets you adjust the size of your brush so you can highlight even the smallest details in photos. It also lets you zoom in on parts of an image that are hard to reach with a brush.

iSplash ably handles the one task it promises to do, but unfortunately it won't let you adjust the saturation level or tint of the colors you add back in.

iSplash is meant for 64-bit computers only, though a compatibility update is said to be forthcoming. The newer, less expensive, and nearly identical Color-Wash app (\$1; macworld.com/7209) does the exact same task, has the exact same set of controls, and works on older Macs.

###¹/₂; \$5; Thaer Ali; macworld.com/7206

iApe's Colorize

The Colorize menu isn't as well designed as the one in iSplash, so it's a bit harder to use. It has the same features, however, and the results are of equal quality.

Like iSplash, Colorize first turns your color photos black and white, then it lets you use your mouse to highlight the areas of the photos you want recolorized.

Colorize also has the same limitations as iSplash—it is compatible only with 64-bit Macs, and it lacks any coloradjustment options. It does have one advantage over iSplash, though: It's two bucks cheaper.

**; \$3; iApe; macworld.com/7207

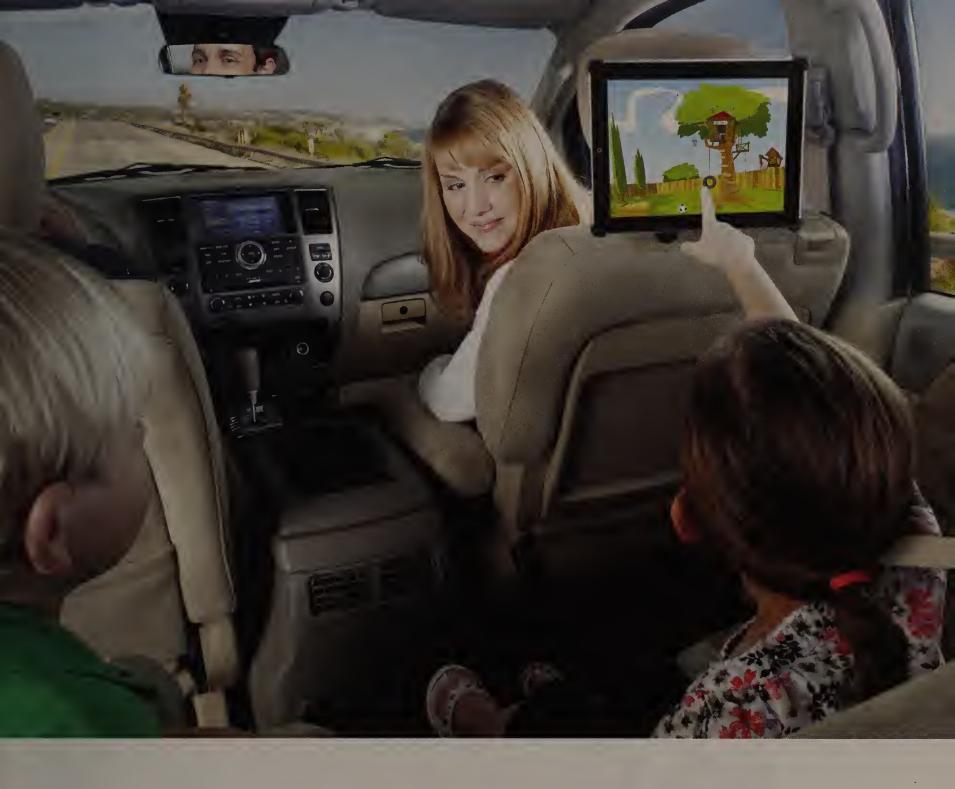
Indii.org's Tintii

Tintii is different from the other color-isolating applications. When you upload a photo, it breaks the photo's colors apart and places them on their own individual layers. You can then fine-tune the layers—make the reds more or less vibrant, or even turn them all blue. Then you can mix and match layers until you create one photo with only the colors you want.

Tintii is more powerful than the other apps, but it's not as intuitive. It takes a bit of practice to master. You can add additional color layers by clicking the plus-sign (+) button. This will give you more-detailed separation. Use the sliders in the postprocessing pane to fine-tune the edges of the layers.

The biggest drawback of the app is that you can't manually highlight specific objects in photos. If you want to colorize a specific person's face in a black-and-white photo, you have to spend time mixing and matching color layers until you get the all the colors in the person's face highlighted.

***; \$5; Lawrence Murray; macworld.com/7208



Backseat entertainment that takes a backseat to none.

For iPad and iPad 2.





CoulVue www.toucoul.com

REVIEWS Hardware, Software, and Accessories for Making and Managing Photographs



HARDWARE

Canon Rebel T3i 🛆

The Canon EOS Rebel T3i is a complete picture-taking machine. The latest Rebel features a high-resolution sensor, an LCD that swings out and can be positioned at a variety of angles, full HD video recording, wireless flash control, and a respectable continuous-shooting mode. The image quality is very impressive. The only negatives are that some physical controls are oddly placed, and the camera does not have a dedicated movie-recording button (macworld.com/7190).

****¹/₂; \$900; Canon, canon.com

Pentax K-r ⊳

The Pentax K-r is a midrange 12.4-megapixel SLR in a lightweight but sturdy body. The



K-r has a very well-rounded feature set. It fits between the higher-end K-7 and the entry-level K-x in Pentax's DSLR lineup. It has the same sensor as the K-x, but the K-r has a higher maximum ISO (12800, expandable to 25600), it sports a larger and higher-resolution LCD screen, it can shoot more frames per second in continuous-shooting mode (6 fps), and it has a number of new effects, such as HDR and Cross Process. The Pentax K-r is a great choice, but it's worth noting that the K-r's shutter release is fairly loud, so if you intend to shoot performances, shy wildlife, or other situations that demand discretion, this may not be the best camera for you (macworld.com/7191).

🛊 🛊 🖟 ‡ ‡ ‡ \$850; Pentax, www.pentax.com

Samsung NX100 ▷

The Samsung NX100 is an innovative camera, if not exactly a practical one. The compact interchangeable-lens camera has a slim, handsome body, but you should hold onto it carefully, because it lacks a textured grip. Inside is a large APS-C image sensor that captures 14.6-megapixels of resolution. This means that you get the same size sensor as in many standard DSLRs, but in a smaller overall package. Samsung designed a clever iFunction control system that lets you adjust some of the most common camera settings from controls on the lens itself. Yet, neither



the 20-50mm kit

zoom, nor the body, includes image stabilization. There's a smart system for automatic exposure selection, but no built-in flash. If you want solid image quality from an interchangable-lens camera with an APS-C sensor, and you want it at an affordable price, this model is worth considering (macworld.com/7192).

\$\$\$;\$600; Samsung, www.samsung.com

Top Products your guide to the best hardware we've tested						
DIGITAL CAMERAS SLR						
PRODUCT	RATING	PRICE A	ТҮРЕ	FIND CODE®		
60D www.canon.com	****	\$970	18- megapixel	6805		
a55 www.sonystyle.com	 	\$740	16.2- megapixel	6780		
A580 (pictured) www.sonystyle.com	****	\$870	16.2- megapixel	6807		
DIGITAL CAM Point-and-Sho						
DIGITAL CAM Point-and-Sho						
Point-and-Sho	ot rating	PRICE A	түре	FIND CODE®		
Point-and-Sho PRODUCT HZ35W (pictured)	ot	PRICE^ \$327	TYPE 12- megapixel	FIND CODE®		
Point-and-Sho PRODUCT HZ35W (pictured) www.samsung.com PowerShot S95	ot rating		12-			
	RATING	\$327	12- megapixel 10-	6331		
Point-and-Sho PRODUCT HZ35W (pictured) www.samsung.com PowerShot S95 www.canon.com PRINTERS	RATING	\$327	12- megapixel 10-	6331		
Point-and-Sho PRODUCT HZ35W (pictured) www.samsung.com PowerShot S95 www.canon.com PRINTERS Inkjet	RATING PATING PATING PATING PATING PATING	\$327 \$389	12- megapixel 10- megapixel	6331 6804		



Nine ways to deliver the PANDORA internet radio experience in your car

RETHINKING CONNECTIVITY





PANDORA

Using the Web for Video, Graphics, Web Publishing, and Other Creative Pursuits

QuarkXPress 9 Automates Design Techniques for Print and Mobile Publishing

A first look at sophisticated new design, typographic, and ePub tools

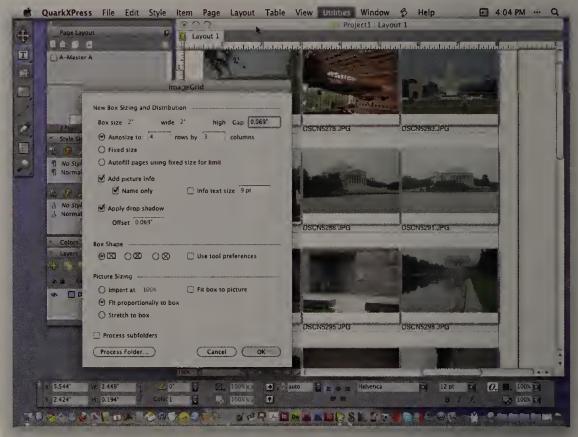
BY GALEN GRUMAN

ith the release of version 9 of QuarkXPress, the venerable publishing program has gained automated features that aim to simplify the design and creation of complex documents. The update offers nearly a dozen enhancements, including a new feature that automatically applies styles to text based on sophisticated rules, and a tool that lets you create complex shapes without having to draw them by hand. Another major new capability lets you export documents to ePub format for the creation of e-books; QuarkXPress 9's tool for doing this reflects a good grasp of the issues involved in creating ePub files.

The new App Studio lets you create publications for distribution via an iPad app, using Apple's in-app purchasing mechanism to manage single-issue and subscription sales. App Studio will be included in a free upgrade to version 9, and is expected to ship by August (at which point we'll review the entire release).

Smart Object Creation and Linking

QuarkXPress 9 adds several features that make it easier to create sophisticated layouts and designs.



On the Grid The new ImageGrid tool in QuarkXPress 9 lets you import all images within selected folders into a predefined grid.

various controls such as sliders to manipulate the types of shapes it can create; you then apply those settings to an existing or new box. Another important layout capability in version 9 is the

QuarkXPress 9's tool for exporting documents to ePub format reflects a good grasp of the issues involved in creating ePub files.

The ShapeMaker tool lets you create all sorts of complex shapes that would be very difficult to draw, even with the program's Bézier tools—think boxes with curved sides. With ShapeMaker, you use

Callouts feature, which lets you easily anchor items to specific spots in the text so they move as the text does. To add an anchor in your text, select the item you want to associate with it, and choose Item

► Callout Anchor ► Associate Item To Callout Anchor.

To use QuarkXPress's new ImageGrid, you must put all the desired images in one folder (it can include subfolders); the import function applies to all images in that folder and, optionally, its subfolders.

More-subtle additions are the Linkster and Cloner tools, which help certain workflows. Linkster lets you break text flow between boxes in ways beyond the usual "break the link between these two specific boxes" method of the Unlink tool.

The Cloner tool lets you copy selected items, or the contents of one or more

pages, to several locations, including new documents. You can copy individual pages to separate new documents and even copy a multiple-layout document so that each layout is in its own document.

A new Story Editor allows you to edit a document's text without the distraction of the layout. It shows you the text without style formatting applied, though you can still see some of that information in the Style Sheets palette.

Contextual Typographic Controls

When you import text in Microsoft Word's .docx format, QuarkXPress 9 retains the bulleting, numbering, and outlining from the Word file, and converts those elements into new styles called, respectively, Bullet, Numbering, and Outline. You can apply those styles to paragraphs to ensure consistent formatting of list elements. As you change text in a list, QuarkXPress updates the numbering.

QuarkXPress treats these styles separately from paragraph styles, so you

can attach them to paragraph styles and reuse them.

QuarkXPress 9 adds the ability to automatically break tables if they don't fit in the current page, adding header and footer rows if specified. But the program still can't import tables from Word (they are converted to tabbed text that you have to reconvert to tables in QuarkXPress).

Version 9 offers a new feature called Conditional Styles, in which you create rules that apply various types of character formatting within a paragraph. This feature lets you do all sorts of things, from adding a dingbat character to the end of a story to boldfacing the first phrase in a bulleted or numbered list.

ePub Export

Creating ePub files isn't simply a matter of exporting a file—as it is when you create a PDF file—because ePub files don't understand what a layout is. An e-book is just a linear flow of text and

images; concepts like text wrap, sidebars, and callouts are meaningless.

QuarkXPress 9's new reflow view solves this problem, letting you tweak the placement of pages from a layout whose contents you want to use in an ePub. You can change the order of elements so that they work better in an ePub's linear flow, delete items that don't fit, and add new ones that make sense specifically in the ePub. You can also edit text in reflow view without affecting the source layout.

The Bottom Line

QuarkXPress 9 builds on the strengths of previous versions and adds some innovative new capabilities. It also adds sophisticated tools such as Conditional Styles, Callouts, Linkster, and Cloner. The new ePub export feature takes the right approach to handling difficult ePub conversions.

Galen Gruman is a *Macworld* contributor and the executive editor of InfoWorld.com.

Apple's Final Cut Pro X Excites Videographers

BY SERENITY CALDWELL

Apple previewed Final Cut Pro X, the latest version of the company's professional nonlinear video-editing software, at the Final Cut Pro User Group Network Supermeet in Las Vegas during the 2011 National Association of Broadcasters show.

Apple says that Final Cut Pro X has been rewritten from the ground up, implementing 64-bit support, a redesigned user interface, and a host of other new features.

The software takes advantage of signature Mac OS X features like Cocoa, Core Animation, Open CL, and Grand Central Dispatch to speed up and fine-tune performance.

Final Cut Pro X boasts a newly designed floating-point linear color



system, support for resolution-independent footage up to 4K in size, a magnetic time-line for keeping audio and video in sync, Compound Clips for easy video nesting, nondestructive color balancing, automatic audio cleanup, and Smart Collections for organizing clips.

The new software has also borrowed some tricks from Apple's consumer-level

video-editing software, iMovie: Final Cut Pro now supports full background rendering and an inline Precision Editor, It also sports the same automatic face detection capability (single or group) as in iMovie, as well as the ability to identify types of shots (medium, wide, close-up).

Final Cut Pro X will be available in June from the Mac App Store for \$299.





Adobe Creative Suite 5.5 Spotlights Tablets, Phones

Midcycle updates usher in a new era for development strategy

BY JACKIE DOVE

n a radical departure from its traditional 18-month upgrade cycle, Adobe announced and is now shipping
Creative Suite 5.5, a new midcycle update of its major creative applications.
Substantial upgrades to InDesign,
Dreamweaver, Flash Professional,
Premiere Pro, and After Effects accompany a new software development kit for Photoshop CS5.

This new strategy for Adobe at once lengthens the cycle of milestone releases from 18 months to 24 months, and introduces midcycle releases every 12 months for selected programs and suites. Which programs will be upgraded midcycle will vary depending on perceived customer need and the state of technical innovation.

Focus on Tablets

The new versions of Adobe's creative programs, which started shipping in May, fully integrate content creation for tablets into the workflow. This new focus is a response to the transition away from paper-based publications to editorial and artistic content that is created and consumed on electronic devices such as smartphones and tablets.

The proliferation of mobile apps, browser content, and digital magazines has inspired the company to accelerate its concentration on HTML 5, video, mobile, and digital publishing tools.

Lease or Own?

With the new schedule comes a new pricing plan: Adobe's Subscription Editions program is designed to make the suite's creative tools more affordable to the artists and designers who need them and to give new users and those who need the software only for specific projects more opportunities to work with the apps.

The complete midcycle lineup now features Creative Suite 5.5 Master Collection, Creative Suite 5.5 Design Premium, Creative Suite 5.5 Web Premium, Creative Suite 5.5 Production Premium, and Creative Suite 5.5 Design Standard.

Pricing Options

Subscription pricing is available for the following individual applications, some of which received midcycle upgrades: After Effects, Dreamweaver, Flash Professional, Illustrator, InDesign, Photoshop, Photoshop Extended, and Premiere Pro.

Two suite programs—Flash Catalyst and Flash Builder—were updated to version 5.5, but do not have individual subscription pricing.

Creative Suite subscribers can choose a one-year subscription plan for a lower payment or a month-to-month subscription for greater flexibility. Users can purchase programs individually or via subscription. Upgrade pricing and volume licensing are available.

Luci Live Broadcasts from Any Location

BY SAM FELSING

Homegrown broadcast journalism just got a bit easier now that software company Technica Del Arte has brought its popular iOS broadcasting software, Luci Live, to the Mac.

Luci Live (\$450; macworld.com/7175) turns mobile devices into portable recording studios. Journalists can record, edit, and stream HD video or audio content from anyplace with an Internet connection to their studios back home. Reporters can also use Luci Live for live broadcasts, where they simultaneously stream recorded content with on-air commentary.

Recently, TV and radio reporters have flocked to Japan and the Middle East to cover high-profile news events. Because of technological problems in those regions, reporters have been using laptops and smartphones to broadcast field reports. Software like Luci Live makes such broadcasts possible.

The Mac version of Luci Live supports two-way RTP and UDP low-delay streaming, as well as one-way Shoutcast/Icecast streaming, and various output codecs.

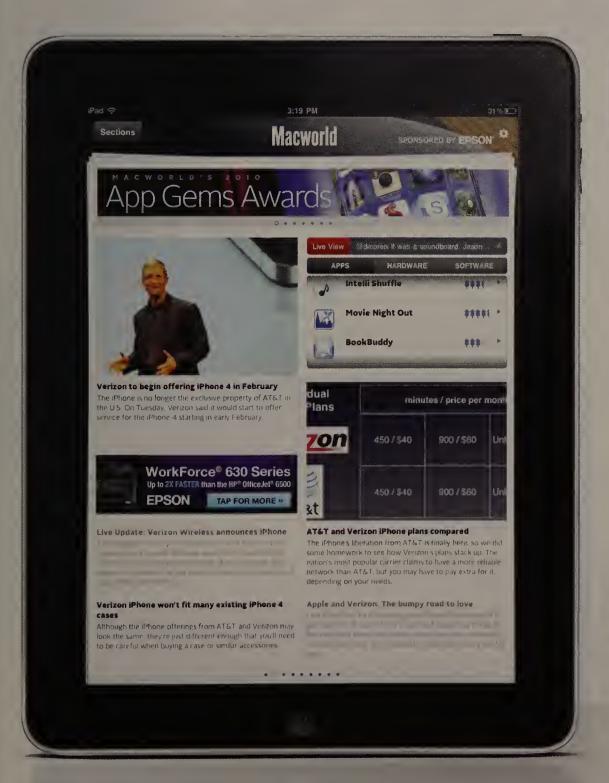


Macworld Daily Reader



Get editors' handpicked features, how-tos, and product reviews delivered to your iPad.

Macworld introduces a first-of-its-kind, native iPad app. It's the best of our news and reviews, dynamically updated, in a revolutionary package from the world leader in covering Apple. The app is free to download from the App Store.* Learn more at macworld.com/dailyreader





Featuring:

- Exclusive content available on iPad only
- News & Reviews handpicked by Macworld editors, in six categories
- Live view of breaking news and Macworld Twitter feeds
- Latest reviews of apps, hardware & software
- Adjustable font sizes
- Image slideshows
- Sharing tools
- Save articles to read later

Thanks to our promotional partner: **EPSON***





REVIEWS Hardware, Software, and Accessories for Your Creative Endeavors

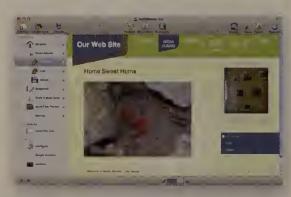


SOFTWARE

MacFlux 3.1 \triangle

Macware's MacFlux 3.1.4 is a Website editor that simplifies the creation of rich HTML 5 and XHTML Websites without sacrificing powerful features. With its WYSIWYG layout tools and powerful CSS (Cascading Style Sheets) editing, even novices can learn to build and revise complex sites quickly. But beginners may be tripped up by the program's occasional quirks and spotty documentation. MacFlux offers plenty of features and flexibility, but its documentation doesn't do them justice. As an overview of application features and CSS and HTML basics, it's sufficient to get you started (a tutorial project is also included), but it's not nearly comprehensive enough. Users who don't mind exploring online to fill in the gaps may not mind, but novices will be at sea without a CSS/HTML reference. Still, if you want a powerful, affordable way to create more-sophisticated sites, MacFlux 3.1.4 deserves a look (macworld.com/7171).

\$\$\$\$; \$100; Macware, www.macwareinc.com



RapidWeaver 5.1 \triangle

Realmac's RapidWeaver 5.1 belongs on the radar of Web designers looking for a WYSIWYG successor to Apple's aging

iWeb '09. With it, you can build mediarich, template-based sites—and you even get the added flexibility of being able to insert HTML code to customize your pages. However, interface quirks may make some design features difficult for users who prefer a more freehand approach. Most of RapidWeaver's interface is a workspace in which you can review the application's 45 built-in themes, choose from 11 page templates, and design pages or populate them with media. Despite its occasionally inflexible tools, RapidWeaver 5.1 strikes a winning balance between power and ease of use. It's a compelling option for people looking to quickly create attractive Websites with modern features (macworld.com/6986).

***, \$79; Realmac Software, www.realmacsoftware.com

SOHO Labels 5 >

Apple's Address Book does a perfectly good job of printing labels and envelopes, but if you need to print labels more often than

just occasionally, a dedicated label application will pay for itself very quickly. SOHO Labels 5.0.3 has a full-blown (yet simple) drawing environment that lets you draw shapes, place text on a curve, or fill text or shapes with an image. A perspective tool helps you simulate depth on an object, and you can lock objects or move them to separate layers. In addition, not only can you browse and use images from iPhoto, but you can also crop them and apply dozens of impressive special effects. If you're looking for an application that goes beyond Address Book's limited ability to print labels and addresses, SOHO Labels 5.0.3 is a clear winner (macworld.com/7173).

\$\$\$\$\frac{1}{2}\$;\$40; Chronos, www.chronosnet.com





UDDERLY FANTASTIC

WEB HOSTING

only 56/yr.

NO BULL MONEY-BACK

Creating a website is easy with FatCow.



Fast, Secure & Reliable

Our robust hosting platform is the perfect home for your business or personal website.



Free Domain Name

Signing up means you get your very own domain name for FREE with your hosting account! It's moovelous!



Build a Site in Just 10 Minutes

Create a website with just a few clicks, using a variety of dynamic themes and templates.



It's Easy Being Green

Web hosting is extremely energy intensive. At FatCow, we power our server farm with 100% wind energy.



Free Advertising Credits

Market your great new site with ad credits from Google™, Yahoo!™, and Facebook™.



Friendly Moo Crew Support

We're here to help. Our friendly Moo Crew is available 24x7 via phone, email and online chat.



FatCow

866-544-9343

Visit us at fatcow.com/macworld

HELP DESK

Answering Your Questions and Sharing Your Tips about Getting the Most from Your Mac

Mac OS X Hints

The insider tips you won't get from Apple

BY DAN MILLER

Make Genius Mixes Smarter

The Genius Mixes in iTunes are nice—they group related tracks in convenient playlists without any intervention on your part—but they're also frustrating to use: You can't see which tracks are in them, so you never know what's coming next. And if you have a small library and you listen to the same mix over and over, the songs can start to repeat. But there's a way to fix those flaws.

Start by creating a new playlist (File ► New Playlist, or ૠ-N); let's call it 'Select Genius.' Next, select iTunes DJ in iTunes' Source list. (If it's not there, open iTunes ► Preferences, click General, and select iTunes DJ in the Show section.) At the bottom of the iTunes DJ window, select the Genius Mix you want from the Source drop-down menu. Click on Settings and choose to show 100 upcoming songs. While there, select Play Higher Rated Songs More Often to make it more likely that you'll hear songs you like (assuming you're diligent about rating your tracks).

Next, select and then drag the first track in the iTunes DJ playlist to your new playlist. Then go back to iTunes DJ, select all of its tracks (\mathbb{H}-A), and drag

Have a Hint to Share?

Navigate to
MacOSXHints.com
to submit it. This
month's column
was based on tips
from Chul Kim,



Shawn Plank, and anonymous contributors. Each month, the author of our favorite tip receives the *Help Desk* mug.



Genius Visible Normally, you can't see which tracks are included in one of iTunes' Genius Mixes. One way to get around that is to select the mix as the source for iTunes DJ.

them all over to the Select Genius playlist in the Source list. You should see a dialog box telling you that duplicates are being added. Click on Skip to prevent those dupes from being copied.

Now check your Select Genius playlist. You should see all the songs that were in the Genius Mix, without any duplicates. (Without the duplicates, it may contain fewer tracks than the original Genius Mix.) You can, of course, refine the playlist further—sorting by rating and removing lower-rated tracks, for example, or sorting

by artist and removing the ones you don't want to hear.

Edit a Web Page in Safari

Suppose you want to print a Web page, but it contains some text or personal information that you don't want to show. With a simple JavaScript command, you can edit it—or almost any content on any Web page.

Here's how you do it: In Safari's address field, type **javascript**:

document.body.contentEditable = true and press Return. (To make it really easy, you can embed that code in a bookmarklet: Enter the code in the address field, then drag its URL icon—or favicon—to your bookmarks toolbar.) Of course, any tweaks you make to the page will be visible to you alone (until you refresh); they won't affect what anyone else sees when they visit that page.

Expand all iTunes Folders at Once

You may know about the Option-click trick in the Finder: If you click on the disclosure triangle for a folder in list view, you open the folder; click on it while holding down the Option key, and all of its subfolders will open, too. This same trick works in iTunes: Option-click on a Playlist folder, and all of its subfolders open. But here's another keyboard trick in iTunes: Click on a folder while holding down the # key, and all of the folders on the same level as the one you click will open at once.

Using \mathbb{H}-click works in the window where you select playlists for syncing, as well as in the sidebar of the main iTunes window.

Retrieve Items from the Trash

There's a simple—if counterintuitive way to retrieve items from the Trash in OS X 10.6: Open the Trash folder, select the item (or items) that you want to retrieve, and press the Delete button (a red circle with a line through it) in the toolbar. (If you don't see that button, go to View ▶ Customize Toolbar and drag the button wherever you want it.) The item will disappear from the Trash and reappear in its original folder. Other ways to do the same thing: Select the item, then choose Put Back from the File menu; select the item, Control-click (or right-click) on it, and then choose Put Back from the contextual menu; or select the item and press \%-Delete.

Quickly Search the Keychain

There are plenty of ways to search for specific types of items with Spotlight: You enter a keyword (for example, app to search for applications only, event to search for iCal events only, and so on). Turns out you can use a similar trick to look for items in your default keychain: Press

Spacebar to invoke Spotlight, then type keych and press Enter. Keychain Access should launch, with the keyboard focus already on its search box, ready for you to type and find what you want.

Note that this shortcut works only if your keychain is already open. By default that happens when you log in to your user account, because the passwords for your keychain and your account are the same. But if it isn't open—perhaps because you've changed your keychain password—this trick won't work.

Customize Scaling of Individual Apps

Sometimes it'd be nice to have an application's windows display at a resolution that's different from that of other apps. For example, this would be particularly handy if you used two different monitors with radically different resolutions; in



POWER TIP OF THE MONTH

Autoload AppleScripts

If you're a regular reader of this column, you know that we often provide Apple-Scripts that do one useful thing or another. You may also know that it's a pain to type in those scripts by hand. It's much easier to find the script online at Macworld. com and copy and paste it into AppleScript Editor.

But even that may be too much work. Turns out there's a service that will do the copying and pasting for you: Select the script you want on screen, Control-click (or right-click), navigate to the Services submenu, and select Make New AppleScript from the list. A new AppleScript Editor window will open, with the selected script pasted into it.

If that service isn't there, open System Preferences and then click the Keyboard Shortcuts tab in the Keyboard preference pane. Select Service from the list on the left, and scroll down the list on the right, looking for Make New AppleScript. When you find it, put a checkmark by it. It should now appear in the Services contextual menu.

If for some reason you still don't see that service, you can create one of your own-using, yes, an AppleScript. Open Automator and select Service from the list of templates. Leave the Service Receives settings as they are (so your service will accept text in any application). Drag the Run AppleScript action from the Utilities library and replace (* Your script goes here *) with:

```
tell application "AppleScript Editor"
        activate
        if (count documents) > 0 and contents of document 1 is
"" then
            set contents of document 1 to (input as string)
        else
            make new document with properties {contents:(input
as string)}
        end if
    end tell
```

Save the service, giving it a descriptive name (such as 'Create New AppleScript From Selection'). That done, the next time you see a script you want to save, highlight the code, Control-click on it, and then select your service from the contextual menu. (If it doesn't show up there, open the Keyboard Shortcuts tab again, and make sure your service is listed in the Text section; if it is, but it isn't checked, select it.)

that case, apps that are easy to view on one screen could appear impossibly tiny on the other. To fix that problem, a hidden setting—AppleDisplayScaleFactor—can, in some cases, help.

AppleDisplayScaleFactor sets the user interface's display scaling. To implement it for a single app, open Terminal (/Applications/Utilities) and at the command line enter defaults write bundle-identifier AppleDisplayScaleFactor 0.85, where bundle-identifier is the unique string (resembling a backwards Web address) that OS X uses to identify apps: com.apple.iTunes, com.apple.mail,

com.skype.skype, and so on. (One way to find an app's bundle-identifier is to find its .plist file in /Library/Preferences; the part of the filename before the .plist extension is the bundle-identifier.)

The **0.85** is the scaling factor; that would cause the app to appear at 85 percent of its usual size. Play around with that setting until you find one that works. To revert to the original setting, go back to Terminal and reenter defaults write bundle-identifier AppleDisplayScaleFactor 1.0. Note that this doesn't work with all apps. You'll have to experiment to see which of yours can be adjusted.



Mac 911

Solutions to your most vexing Mac problems

BY CHRISTOPHER BREEN

Identify Faces Faster in iPhoto

I just upgraded to iPhoto '11 and now have the daunting task of assigning face names to 24,000 faces in my iPhoto library. How do you do it, and are there ways to speed up the process?

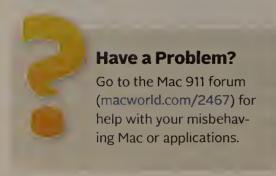
Via the Internet

After you've imported your images, iPhoto will set about identifying faces in your library. Select Faces under Library in iPhoto's Source list, and you can watch it work through your images, displaying faces it finds as it goes.

When Faces has completed the job, you'll see a collection of faces on a corkboard background, with *Unnamed* appearing beneath each image. Highlight one of these fields and enter the name of the person in the image. Repeat for the other images on the corkboard. If you like, click Show More Faces and you'll see other faces from your library. Enter their names as well. When you're ready for serious naming, click Continue To Faces.

This screen will show one picture of each face you've identified. Double-click on one of those faces, and you'll see the entire image that the face came from. At the bottom of the window, you'll see a "Person X May Be in 46 Additional Photos" message. Click the Confirm Additional Faces button at the bottom of the window.

iPhoto makes its best guess about which images contain the person's face. At the top of the window you'll now see the one





Finding Faces Drag-select to confirm multiple faces at once.

image you've named and confirmed. Below are unconfirmed faces (see "Finding Faces"). Instead of clicking each image individually, click and drag across contiguous images of this person. When you do so, each image is assigned the person's name. If iPhoto has done its job properly, far more faces will belong to the person you want rather than someone else. If nearly all the faces are identified correctly, the quicker method is to drag across all the images and then just click those that are incorrect to reject them. If you've chosen the first method, be sure to Option-click those faces that don't belong to the subject to reject them before you click Done. This improves iPhoto's identification results.

When you click Done, you'll return to this person's page, where you'll likely see another entry at the bottom indicating that they may be in additional photos. Click Confirm Additional Faces and repeat the previous process. You may find that you have to do this a few times

before you're no longer prompted to identify this person in other images.

Get a Credit Card-Free iTunes Account

We recently gave our daughter an iPod touch for her birthday. She wants to download apps, but we're not prepared to give her our credit card. Is there a way she can have an account that isn't tied to a credit card?

Karen Haas

Launch iTunes, select iTunes
Store, and then sign out of your
iTunes account. Select App Store in
iTunes, find any free app, and click on the
word *Free* to "buy" it. In the window that
appears click Create New Account. Click
Continue in the welcome screen, and on
the succeeding page agree to the terms
and conditions and click Continue. You'll
then be asked to provide an e-mail address
you haven't used before (this can be your

daughter's address), along with a password, a security question, and a date of birth. Click Continue again.

In the resulting Provide A Payment Method screen, choose None in the Payment Method area. Enter your address information below and click Continue. You'll then be asked to enter an e-mail address from which you can verify the account. Verify the account with the e-mail message that arrives shortly, and the account will be good to go.

Your daughter will be able to download any free content she likes from the iTunes Store, including apps. However, if she wants to purchase something, she'll see a window that tells her that the purchase can't be completed until some kind of payment information is linked to the account.

Should she wish to buy a paid app, you can provide the means for doing so. Dan Moren shows you how to create an iTunes Allowance in "Manage Your Kids' iOS Purchases" (iOS Central, page 22) but there's another way—an iTunes gift certificate (available from the iTunes Store and many retail outlets). On the iPod, launch the iTunes Store app, tap Redeem at the bottom of the Music screen, enter the certificate's code in the iTunes Code field, and tap Redeem.

Download Free Books

■ I travel fairly frequently, and ■ when I'm on the road I'm always looking for something new to read. Are there inexpensive book sources other than the iBookstore that are compatible with my iPad?

Greg Jacobs

There are many free and legal sources for e-books. One of my favorites is Project Gutenberg (www gutenberg.org). This is a terrific resource for older books that are now in the public domain. It's quite easy to download books directly from Project Gutenberg to your iPad. Just launch Safari on the iPad, travel to the Project Gutenberg site, locate the book you want to download, tap its link, and choose to download the ePub version of the book. When you do,

Bugs & Fixes BY TED LANDAU



Flash Zero-Day Exploit Recently Adobe confirmed

that a "critical vulnerability exists in Adobe Flash Player...that could cause a crash and potentially allow an attacker to take control of the affected system." Adobe later added that "there are reports that this vulnerability is being exploited in the wild against Flash Player in targeted attacks via a Flash (.swf) file embedded in a Microsoft Excel (.xls) file delivered as an email

To fix this problem, Adobe recommends that "all users of Adobe Flash Player 10.2.152.33 and earlier versions upgrade to the newest version 10.2.153.1 by downloading it from the Adobe Flash Player Download Center."



attachment."

iPad 2 Crashes A Bugs & Fixes reader alerted me to an Apple Discussions thread

detailing frequent crashes of the iPad 2, including "spontaneous" restarts. This

you'll be offered two choices—Open In or Open In iBooks (see "Bring on the Books"). Tap the latter option, and the book will download and open in iBooks, where it will be stored as part of your iPad's book library. This method also works with iPhones and iPod touches that are compatible with iBooks.

There's nothing particularly magical, in a technical sense, about what Project Gutenberg is doing. Rather, the magic is that iOS devices running the current iOS software can now save and load books in the ePub format. Given that, you might want to check out other sites that offer free ePub books, including MobileRead (www.mobileread.com), epubBooks (www.epubbooks.com), and Feedbooks (www.feedbooks.com).

Capture Windows and Menus

l've found Grab to be one of the most useful utilities for explaining things or collaborating with others. It allows you to pick even a tiny piece of a screen and say, "Look at this." But I was

appears to be a hardware issue, likely affecting only a small number of iPads. Several of those reporting the problem were able to get their iPad replaced at the Apple Store. Even though the stores had no iPad 2s available for retail sale, they apparently retain a special stock for dealing with just such exchanges.



Apple TV 2 Update Apple issued another update for the second-generation Apple TV.

Apple says the 4.2.1 update addresses issues that may: (1) cause the screen to flicker or display incorrect color on some older TVs, (2) cause the Apple TV to not wake up from sleep, and (3) keep audio from being heard on some TV models after you switch from another input.

Senior Contributor Ted Landau is the founder of MacFixIt (www.macfixit .com). Share your problems at bugs@ macworld.com or on Macworld.com's Mac 911 forum.

trying to explain something in Aperture and wanted to grab a drop-down menu, and later a pop-up menu of all the adjustments that had been done to an image. I could not figure out how to capture such windows, because as soon as I invoked Grab, they disappeared. This seems true of most drop-down or pop-up windows in any application. I was stumped. Is there an easy way to do this?

Michael Perini

Use a keyboard shortcut rather than Grab. These are the default shortcuts, followed by their functions:

- > \mathbb{H}-Shift-3: captures the entire screen
- > \mathbb{H}-Shift-4: freezes the screen, allowing you to select a portion to capture
- > \mathbb{H}-Shift-4 and then press the spacebar: allows you to capture a specific menu or window—just move the camera cursor to the object you want to capture

If you add the Control key to these shortcuts, the image is captured to the Clipboard rather than placed on the desktop as a PNG file.



Bring on the Books Need something to read? Download e-books directly to Apple's free iBooks app.

In your case, focus on the keyboard shortcuts that include the number 4. Use those shortcuts, and you'll find that any windows and menus will freeze in place, allowing you to select them.

There are some things that will not be captured by using these keyboard shortcuts, and yes, Front Row, I'm looking

at you. A colleague asked how he might capture a Front Row screen for a story we're working on. My suggestion was this:

From another
Mac, use Screen
Sharing to log in to
the Mac running
Front Row. Do this,
and you can
capture that other
Mac's screen by

using the standard keyboard shortcuts on the host Mac. I often do this to capture Front Row screens. (Be sure that on the host Mac you click outside the Screen Sharing window before you take the screenshot. Otherwise, the remote Mac will assume that shortcut was meant for it and will dump you out of Front Row.)

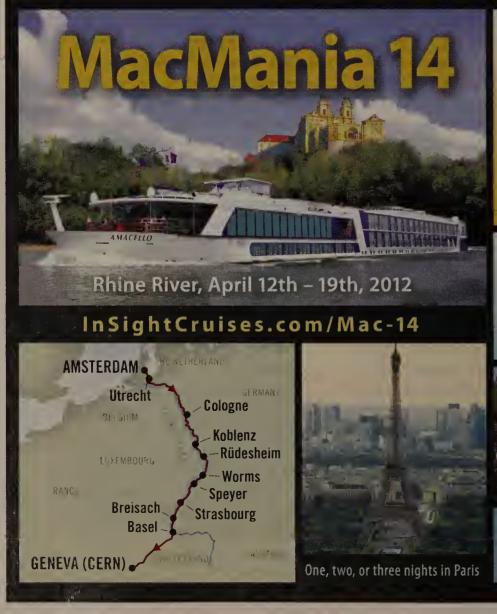
Prepare an Old Mac for Sale

■ I intend to sell my old iBook and ■ buy a MacBook Pro. What do I need to do to make my old Mac ready for sale? I don't want any of my personal information to remain on it.

Charles Boone

First, of course, you need to get your data off the iBook and onto your new Mac. The easiest way to do this is to use Migration Assistant, which will make its presence known when you set up your new Mac. To transfer data between the two Macs, you must have either a FireWire connection (you'll need a FireWire 400-to-800 cable to accommodate the old FireWire 400 port on the iBook and the FireWire 800 port on the MacBook) or a network connection. FireWire will be faster.

If you've used your iBook to purchase content from the iTunes Store, be sure to launch iTunes on it and choose Deauthorize This Computer from iTunes' Store



Are you working to figure out how new features can help you tell your story and share your experiences? MacMania 14 gives you tools to ace the Apple learning curve. Immerse yourself in Chris Marquardt's 4-part photography course and get the tools and views to bring your photos alive. Color outside the lines with Joe Kissel, mastering the nuts and bolts of the iPad, then learn what serious geeks know about the iPad. Tune in to Josimar King, as he'll share how to seamlessly sync your iDevices, demystify media formats, and get you to elicit the best from iPhoto and iMovic MacMania 14 — a savvy community of experts and users.

For a full listing of seminars visit InSightCruises.com/Mac14-seminars

Speakers include:
Wally Cherwinski • Josimar King
Joe Kissell • Chris Marquardt

Lase into Amsterdam

Macworld

menu. That way you won't lose one of your five authorizations when you wipe the iBook's drive.

Once your data is ensconced on the new Mac and your iTunes account is clear, wipe the iBook's drive by inserting your original installation disc, booting from it (restart and hold down the C key). and choosing Disk Utility from the Installer menu. Within Disk Utility, select the Erase tab and, in the resulting pane, click on the Security Options button. In the pane that appears, you have the option to wipe your drive's data in a number of ways, including Zero Out Data, 7-Pass Erase, and 35-Pass Erase. Zero Out Data will nicely wipe your drive, but if it will help you sleep better at night, feel free to choose one of the other options (note that they can take a long time to do their thing).

When Disk Utility finishes wiping the data from the drive, run the installer to install a clean copy of OS X. When the Mac

MAC 101

Quicker Avenues to System Preferences

■ I often need to change some of my Mac's preferences, and I'm tired of all the trips to the Apple menu to select System Preferences. Know any shortcuts?

First, check out some of the icons in the Mac's menu bar. Click on any of the Time Machine, Bluetooth, AirPort, Battery (on a laptop), Clock, and Account menus, and you'll find a command for opening that item's associated system preference. (Option-click on the Sound menu to reveal a Sound Preferences command.)

Also, put your Mac's Option and function keys to good use. On my MacBook Pro, for example, when I hold Option and press F1 or F2, the Displays system preference appears. Option-F3 or Option-F4 opens the Exposé & Spaces preference. Option-F5 or Option-F6 produces the Keyboard system preference. And Option-F10, Option-F11, or Option-F12 causes the Sound system preference to appear.

reboots and prompts you to set it up, just press \mathbb{H}-Q to quit the installer. This ensures that you leave no traces on the iBook and that the new owner can set it

up to their liking. Don't worry about installing OS updates on the iBook. The new owner can check for available updates via Software Update.



Bring your application idea to Zco

2 Zco designs and develops your app















Obama Tickle

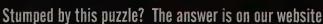
OBAMA KLE

Entertainment

ClassTime

Schedule

Education



One of the Largest Custom Mobile App Developers in the World (Serving Fortune 20 Companies to Small Businesses)

Blackberry iPhone iPad Android WebOs Symbian Windows Phone Palm Pre Kindle

Digital Marketing & Custom Backend Software

.Net Java PHP ColdFusion Video 3D Animation | iAd



20+ Years of High Quality Service

www.zco.com 603.881.9200

My Days Pay



Lifestyle

Networking



Dry Fire

Trainer

IDET

Color Car

Mania

T **Sports**

Hypnosis Lil' S.P.E on the Run



Hospitality



Eck App

Fck

eRoentgen

Medical

Discovery

bpServ

Business



RM Monitor

NHPR

News

AutoVol

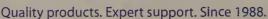




NameCatcher

Knockoff

Games





More Memory = Faster Mac[®]!

Savings up to & over 60% vs. factory options!

Most Popular Matched Upgrade Kits:

16GB \$279.99

2GB \$209.99









Add 32GB from only **\$549.99** Add 64GB from only \$1567.99

Top Quality, Liftetime Warranty, Premium Certified for Mac Pro from OWC®

Get the right memory for your Mac Pro: www.macsales.com/promemory

Memory for nearly every Mac including the NEW 2011 MacBook® Pro & 2011 iMac!

www.macsales.com/memory

#1 SELLER SETS FROM ÖGB **\$99.97**

4GB \$49.99 **I O**GB **\$197.99**

Available Upgrades: MacBook, Mac mini, and MacBook Pro up to 16GB; iMac® up to 32GB



All OWC memory meets or exceeds manufacturer specifications for maximum quality assurance, but at the independent prices you can afford. Plus, you receive the industry-leading Lifetime Advance Replacement Warranty and award-winning US-based customer support.





2011 Macworld Expo Fan Favorite

NewerTech NuGuard™ **Keyboard Covers**

Add personal style and protection. Protects against key wear, food and drink spills, dust and hair clogging. Available in white, red, black or pink.

\$11.99



Upgrade your drive for better speed/performance.

OWC recommends replacing your drive every 3 years to ensure your data stays safe!

2.5" LAPTOP DRIVES

Serial ATA, IDE/ATA from 40GB up to 1TB Highest Capacity 1TB Now from \$104.99

Hitachi 5400RPM Seagate 7200RPM 500GB **\$63.99**

500GB **\$74.99** 750GB \$107.99 3.5" HARD DRIVES Serial ATA, IDE/ATA from 80GB up to 3TB

1TB Now from \$59.99 1.5TB Now from \$79.99

2TB Now from \$94.99 3TB Now from \$207.99

Do-It-Yourself Kits

www.macsales.com/laptopdiy

Special OWC Bundle! Two Upgrades In One!

Put a faster, quieter, higher-capacity drive inside your MacBook, MacBook Pro or Mac mini!

- Turn your existing drive into a bus-powered portable for easy data transfer and continued use.
- · Complete kits with drive, enclosure and 5 piece tool set.
- OWC's free online How-To videos make doing an upgrade even easier at www.macsales.com/installvideos



MOST POPULAR DIY UPGRADES

500_{GB} \$87.99

750_{GB} \$122.99

1.0тв \$122,99

DIY Solid State Drive (SSD) Kits Also Available!

40GB Kit \$117.99 60GB Kit \$149.99

115GB Kit \$229,99 240GB Kit \$494.99 480GB Kit \$919.99



320GB \$52.99

🖥 FREE! OWC Install Videos

How-To Videos On Installing: Memory, Optical, Drives & More!

www.macsales.com/installvideos

FREE Shipping on all orders \$159 and UP!

At OWC Our Customers Come 1st!



24/7 Live Chat support.

School/Corporate Purchase Orders accepted with approved credit. VISA NIWICHARDON PayPal

QUALITY PRODUCTS COMPETITIVE PRICES EXPERT SUPPORT

Award Winning Solutions from OWC & NewerTech

www.macsales.com/firewire







Performance Desktop **OWC Mercury**

Elite-AL Pro

Single-drive & dual-drive performance solutions with up to 6TB of ultimate storage for any data storage need.

UP TO 6TB from \$87.99



Performance Desktop RAID

OWC Mercury Elite-AL Pro QX2

Up to 12TB "Quad Interface" 4-bay Enterprise Class performance RAID storage solution.

UP TO 12TB from \$479.99



NEW!

Bus Powered Portable RAID

UP TO 1.5TB from \$59.99

OWC Mercury

Elite-AL Pro Dual mini

Bus Powered Portable

On-The-Go Pro™&

Elite™ AL Pro mini

OWC Mercury

High performance dual-drive, bus-powered hardware RAID data storage/backup with Plug & Play convenience.

Up to 1.5TB of high performance storage

with bus-powered, fanless convenience.

UP TO 2TB from \$179.99

Bus Powered Portable RAID Guardian MAXimus® mini





NEW!

Performance RAID

OWC Mercury Rack Pro Quad Interface Serious RAID performance in a 1U Rack. Convertible to desktop use too!

UP TO 12.0TB from \$549.99



Mac or PC.



UP TO 3TB+3TB from \$197.99





















OWC® Data Doubler™

Performance Desktop RAID

Provides "live activity" backup/data

redundancy of your critical data

with Plug & Play simplicity on any

Guardian MAXimus

Add a Second Internal Drive to Your Mac Laptop!

www.macsales.com/dd

Complete, Easy to install kit with all needed tools included only **\$74.99**

For MacBook/MacBook Pro models... even the new 2011 models!

BUNDLES available up to 1TB! OWC Data Doubler + Drive from \$117.99



NewerTech AdaptaDrive™

Experience the SSD 6GB/s speed advantage! Replace any size 2.5" SATA hard drive or SSD in a 3.5" SATA drive bay.



NewerTech NuPower® High Capacity Batteries www.macsales.com/newertech

Batteries for MacBook/MacBook Pro! Plus batteries for all PowerBook® and iBook®



Get longer run times with more capacity vs. factory! Up to 87% Higher Capacity

vs. original Apple factory included battery.

from \$59.99

Upgrade Your SuperDrive® and Add Blu-ray! www.macsales.com/superdrives

Why you could benefit from upgrading:

- Get additional capabilities you current drive doesn't offer
- The internal drive is slow. Average notebook internal optical speed is 8X.
- The internal drive only reads discs & doesn't offer write functionality.
- The existing CD/DVD drive is not operating correctly.

Super-MultiDrives from \$24.99

Add Blu-ray Capabilities from \$79.00



OWC Multi-Mount™

www.macsales.com/multi-mounts Converter Brackets: Add 2.5" drives to 3.5" bays & 3.5" drives to 5.25" bays.



OWC Mount Pro™

2.5" DRIVE SLED FOR 2009-2010 APPLE MAC PRO

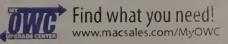
The OWC Mount Pro 2.5 is the easiest way to add ANY 2.5" Hard Disk Drive or Solid State Drive to your Apple Mac Pro. (2009–2010 Nehalem & Westmere models)













2W/MacB

FREE Parallels Desktop!* FREE HP Printer!* FREE Shipping on orders over \$49!

See below for details on all offers. *Free with Apple CPU purchase after rebates.



Save \$49!



13.3" Apple® MacBook! Intel Core 2 Duo 2.4GHz, 2GB RAM, 250GB HD

list priæ 1999 only \$949⁹⁹ #8128756 Save \$59!



11.6" Apple MacBook Air! Intel Core 2 Duo 1.4GHz, 2GB RAM, 64GB Flash Storage

list price 5999only \$93999 #8233497 **Save \$84!**



15.4" Apple MacBook Pro! Quad-Core Intel Core i7 2.0GHz, 4GB RAM, 500GB HD

listprice 1799 only \$171494! #8300859 only \$2366²⁵! #8300862

Save \$132!



17" Apple MacBook Pro! Quad-Core Intel Core i7 2.2GHz, 4GB RAM, 750GB HD

listprice 52499

Save \$29!



Apple Mac[®] minil Intel Core 2 Duo 2.4GHz, 2GB RAM, 320GB HD

list price *699 only \$669⁹⁹ #8160087

We'll beat any price on any Apple brand product!



Apple TV Stream movies, TV and more to your HDTV home theater!

\$99:\$**97**⁹⁹! #8274518



Apple Magic Mouse Bluetooth-enabled Multi-Touch™ input!

569 5**65⁹⁹!** #7952161



Apple Magic Trackpad The first Multi-Touch trackpad for Mac desktop computers!

\$69 \$**65⁹⁹!** #8183737



G-DRIVE 1TB Professional External Hard Drive eSATA, FireWire 800, FireWire 400 and USB 2.0 479^{w 5} 169⁹⁹! #8116265



d2 Quadra 1TB Hard Drive eSATA, FireWire 800, FireWire 400 and USB 2.0

only \$149! #7702561



Wireless Mouse for Mac Wireless freedom for all!

*39** \$8⁹⁹! #7668523



Microsoft Office 2011 for Mac Home and Student 2011



Adobe Creative Suite 5.5 Design Premium for Mac

only \$1899! #8356351



Adobe Creative Suite 5.5 Production Premium for Mac

only \$1699! #8356303



Adobe Creative Suite 5.5 Master Collection for Mac

only \$2599! #8356305

*WE'LL BEAT. ANY PRICE ON: ANY APPLE BRAND PRODUCT or competitive promotion on any Apple brand product. We may require proof of dealer's pricing. Competitor must be an Apple Authorized Reseller. Product must be in stock at the competition, Advertised item must be identical to the one offered by MacMall and must be a new Item in a factory sealed box. We reserve the right to limit quantity ordered. This offer does not apply to special, bonus or free offers, grand openings, special purchases or special buys, manufacturer's rebates, closeouts, clearances or to dealers' one-of-a-kind or other limited quantity offers. Nor does it apply to advertising errors made by any authorized dealer. Not open to dealers. Void where prohibited. Sorry, offer not valid in conjunction with other rebate offers. On multiple-item quotes: "We'll Beat Any Price" applies to the price of the entire order, not individual line items. Offer applies to pre-taxed prices only. Offer valid Vold where prohibited. Sorry, offer not valid in conjunction with other rebate offers. On multiple-item quotes: "We'll Beat Any Price" applies to the price of the entire order, not individual line items. Offer applies to pre-taxed prices only. Offer valic only at time of purchase, not after the fact. • FREE PARALLELS DESKTOP 5.0 OFFER-Get Parallels Desktop 6.0 for Mac free with FREE 6.0 upgrade after \$20 mfr, and \$60 MacMall mail-in rebates with purchase of any new Apple computer. Price



NEW 13.3" MacBook Pro!

Dual-Core Intel Core i5 Processor 2.3GHz, 4GB RAM, 320GB Hard Drive

Authorized Reseller

Tablets

32GB Blackberry PlayBook **Dual-Core 1GHz Tablet**

only \$599⁹⁹ #8331727





Motorola XOOM Wi-Fi 10.1" Android 3.0 Tablet

Call 1-800-321-7532 or visit macmall.com

The best selection of iPod®, iPad® and iPhone® accessories!















iPad 2 Screen Protector Anti-Glare 2-Pack +39" ^{\$}26⁹⁹! #8320749 \$24°° \$18⁹⁹! #8320799









before rebates is \$80. Ends 6/12/11 or while supplies last. FREE PRINTER OFFER-HP All-In-One D110a after \$40 mfr. and \$49.99 MacMall mail-in rebates with purchase of any new Intel-based Apple CPU. Price before rebates is \$89.29. Ends 6/12/

Advertisers Index

Interact with the companies whose products and services are advertised in Macworld.

ADVERTISER	INTERACT	PAGE NO.
1&1 Internet	land1.com	16-17, 19
3 Cats and a Mouse	3caam.com	102
A		
American Power Conversion	apc.com	49
Anthro Corporation	anthro.com	35
В		
Biomorph Interactive	biomorph.com	98
Booq LLC.	booqbags.com	11
С		
Cablejive	cablejive.com	98
CD&V Applications, LLC.	vocationapps.com	48
Circus Ponies Software Creative Juices	circusponies.com bigposters.com	57 101
D	bigposters.com	101
DriveSavers Data Recovery	drivesavers.com	103
	urivesavers.com	103
E		62.1
ESET ESS Data Bosovory	eset.com datarecovery.com	C2-1 101
ESS Data Recovery	datarecovery.com	101
	f-1	٥٦
FatCow Hosting FileMaker	fatcow.com/mac filemaker.com	85 2
H	memaker.com	
Hewlett Packard	hp.com/toner	9
Hyperbolic Software	hyperbolicsoftware.com	24
1	71	
IGG Software	go-ibank.com	36
iHome	ihomeaudio.com	C4
Incipio Technologies	myincipio.com	25
Inkfarm.com	inkfarm.com	101
Insight Cruises	insightcruises.com/mac12	8, 90
J		
Just Mobile, Ltd.	just-mobile.com	15
K		
Kinekt Design	kinektdesign.com	102
M		
Mac of All Trades	macofalltrades.com	103
Macessity	macessity.com	100
MacMall/Idea Mall	macmall.com	94-95
MacPaw Metropolitan Vac	macpaw.com/ensoul datavacelectricduster.com	99 102
Micromat	micromat.com	18
Moobila Corporation	moobila.com	66
Mophie	mophie.com	27
N		
NLU Products	bodyguardz.com	10
0		
OCZ Technology	ocztechnology.com	71
Olympic Controls Corp.	occorp.com	37
OtherWorldComputing	macsales.com	C3, 92-93
P		
Palo Alto Audio Design	paloaltoaudio.com	69
Pioneer Electronics	pioneerelectronics.com	79
R		
Rain Design	raindesigninc.com	98

ADVERTISER	INTERACT	PAGE NO.
Ramjet	ramjet.com	102
Ripples Group/Ultra-Case	ultra-case.com	47
Rosetta Stone, Ltd.	rosettastone.com	75
S		
S.E.M. Audio Labs	semaudiolabs.com	51
Sanho Corp	hypermac.com	5
Scosche	scosche.com	53
SeafoodByNet.com	seafoodbynet.com	102
Sedna GmbH	sedna-presenter.com/ats	100
Sell Your Old Apple	sellyouroldapple.com	14
SellYourMac.com	sellyourmac.com	103
Smile	smilesoftware.com	6
Т		
TouCoul	toucoul.com	77
TriceraSoft	karaokenow.ca	66
U .		
US+U	usplusu.com	101
W		
WaveCradle	wavecradle.com	14
Wilson Electronics	wilsonelectronics.com	59
Wondershare	wondershare.com	63
Z		
ZAGG	zagg.com	67
Zco	zco.com	91
Zoo Printing	zooprintingtrade.com	103





Friends + Benefits

Join our exclusive Insider community for premium Macworld access and features

MACWORLD INSIDER is the ultimate way to experience Macworld.com. You get access to an ad-free site layout,¹ full-content RSS feeds, a members-only newsletter and forum, plus live chats with Macworld editors. You also get access to the Macworld digital magazine library, featuring PDFs of every issue for the last few years, all ready to download to your Mac and fully searchable via Spotlight.

Exclusive access to full content



Magazine back-issue library

Spotlight-searchable PDF downloads of every issue for the last few years

Full-text RSS feeds

Complete Macworld.com story content, right in your feed reader of choice

Streamlined access to Macworld.com



Ad-free site experience 1

Special setting switches to custom ad-free page designs throughout the site

Single-page stories

Read longer items with ease—all stories appear on a single page.

Premium community features



Exclusive Insider forum

Custom avatar & user titles

Live chats with writers & editors

Members-only newsletter

Bonus discounts & deals



Floor pass to Macworld 2011

Discounts on Superguide books purchased on our site

Special magazine subscription rate for either print or digital edition

Subscribe to Insider today at macworld.com/insider

and take advantage of our inaugural offer to current Macworld subscribers.

in merculation, apply. Violatify I www.n.z.world.com/ in the for cital

Men ay other allowing to both pagific mode at hocker out or or may run home other title one cough fixed and but hocker the life of the form of the country teams of the country of the cou

to say 9, year to promote mover gazers the observe to the officer and the observe the obse

INAUGURAL OFFER²

\$10.95
months

CURRENT MAGAZINE
SUBSCRIBERS

INAUGURAL OFFER²

NEW MEMBERS

MEMBERS

SUBSCRIBERS

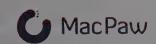
(i) An experience of the second se

MARKETPLACE



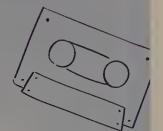






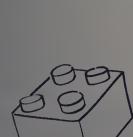
CleanMyMac

Keep your Mac clean and healthy.

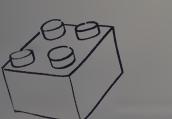












Remove all unnecessary files from your Mac and improve its system performance. Cleaning a Mac has never been this easy.

Get 20% discount!* Coupon Code: MWRJL

macpaw.com/macworldus





*Limited time offer. Valid thru Aug 15th, 2011



Check out Ensoul, another revolutionary application crafted by MacPaw. Customize your iPhone experience



We speak signage.

~sedna **presenter**®



The largest booth at the world's biggest, international exhibition for information and communication technology was driven by ~sedna presenter*.

Great value. Outstanding performance. Trusted reliability.

More than 110 screens as single and video wall setup were used to show absolute synchronized information on a presentation area of more than 220 m². The world's biggest plasma screen with a size of 154 inches was part of this installation as well.

~sedna presenter is a first class solution for the market. Communicate your marketing messages, advertisings, brand values and corporate information to displays of at effortlessly. Priced to fit any budget.

Exclusive distribution for North America: activatethespace www.sedna-presenter.com/ats



ONLY BY MACESSITY.COM















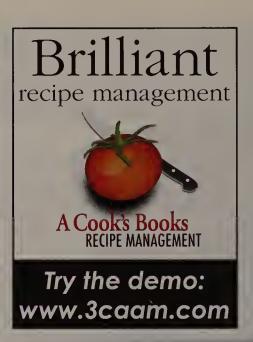
MARKETPLACE

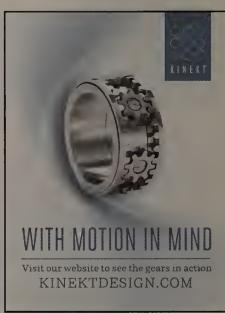


Prices subject to change without notice

Professional, Fast, Dependable













Macworld's Superguide Series. These handy books are produced by the editors at Macworld. Packed with practical how-tos, the best tricks, in-depth features, troubleshooting advice, tips, and more.









macworld.com/superguide

Macworld Superguides are available in 3 convenient formats: 1) Downloadable PDF: Get Immediate access: 2) Printed Book: Order a handy, full-color printed book on high-quality paper, 3) PDF on CD-ROM: Don't want to download the PDF, get it on CD-ROM.



How does the Program Work?

We start every new customer off with our Bronze tier pricing, which is already the nation's lowest. Just imagine the savings once you reach the Diamond tier!

The Low Price Leader

1000 Business Cards

14pt. Gloss Cover **Full Color 2-Sides UV 2-Sides**

1000 Postcard • 4 x 6

14pt. Gloss Cover **Full Color 2-Sides UV 2-Sides**

(Bronze tier sample price)

1000 Flyers • 8.5 x 11

100#. Gloss Text **Full Color 2-Sides AQ Coating 2-Sides** (Bronze tier sample price)

For more information regarding the Loyalty Program, please visit us at zooprinting.com







The Post-PC World

With iOS devices on the ascendant, 'post' doesn't mean 'without'

t the March event introducing the iPad 2, Steve Jobs made reference to "post-PC" devices. Apple has taken a lot of flak for those comments ever since.

I mentioned that statement on Twitter and was immediately confronted by more than a few of my followers, who pointed out that the iPad 2 itself depends on a PC for activation and syncing content. Which is to say, most commentators completely missed the point of the term *post-PC*—and they likely failed high-school Latin, if they took it at all.

Post-PC doesn't mean "without a PC"; the iPad and other devices are not here to displace the PC (by which I mean all personal computers, whether they're Macs or PCs running Windows). It means "after the PC": It refers to a generation of products that will be built on the foundation of the PC. The personal computer will no doubt be with us for a very long time. But that doesn't mean we're not in the post-PC world.

Predictable Predictions

The whole incident put me in mind of Mark Twain's classic (and often misquoted) rejoinder to a reporter who knocked on his door while investigating reports that the author was deathly ill. "The report of my death was an exaggeration," Twain told the surprised scribe. (It was actually a cousin of Twain who was at death's door; Twain himself didn't die until 1910, 13 years after the mistaken report.)

Even as some people today hype the death of the PC, let's be clear: The PC isn't going anywhere any time soon. Of course, the PC as we know it will continue to evolve—and future generations of those devices will bear as little resemblance to today's Macs as today's Macs resemble Altair PCs of days gone by.

The personal computer of today remains the ultimate Swiss army knife of

information. If you want the Internet without compromises, you need a PC. Need to access corporate apps and legacy information? That's also a job for a PC. Want to play the best and most sophisticated games? PC again. Unless you are willing to live with a subset of its functionality, you're going to want and need a PC.

Predicting the death of a technology isn't new. Business users have already heard predictions that the PC would replace the venerable mainframe for the enterprise class of computing. I'm sure someone spoke of postmainframe computing back in the day, too. That didn't happen, of course—the PC today coexists with the mainframe of yesteryear, and it will likely coexist with the media tablets, smartphones, and other connected devices of tomorrow, as well.

The Right Tools for the Jobs

So why so much hype and fuss about a post-PC world? Because historically, as

Most commentators missed the point of the term 'post-PC'— and they likely failed high-school Latin.



PCs have become increasingly sophisticated, they've also become increasingly complex. Users become empowered by new features while simultaneously being forced to contend with complex systems that can obscure the task currently at hand. PCs are also often rigidly controlled by businesses and often lack the very personality that's inherent in their name.

This is one reason why devices like the iPad have become so popular.

No, they can't do everything a PC can do today—but that's not a bad thing.

The iPad performs some tasks quite well, all while keeping things simple.

That means an iPad can replace a second or third PC you might have been thinking about buying. In addition, it serves as a very personal device that can exist in a world where business and personal information are comingled, and where users both consume and create content as they see fit, based on the context.

As we transition to a post-PC world, the ability of devices to balance power and innovation on the one hand and complexity on the other will help drive purchases. The key will be for users to figure out which device has the capabilities required. Need to decode the human genome? There's no app for that just yet. On the other hand, many tasks once suitable only for the PC are now very doable on other post-PC devices. In point of fact, most consumers will own and work with a multitude of devices. Content will flow from screen to screen, device to device, and location to location. The only difference is that the PC will be one device among many—and, for many users over time, perhaps not the most important one.

Michael Gartenberg is an analyst for Gartner (www.gartner.com) and a longtime Mac user.



Other World Computing

Quality products. Expert support. Since 1988. • www.macsales.com 1-800-275-4576 | 1-815-338-8685 | 24/7 Live Chat

Warp speed is finally science fact!

Get the full benefit of new SATA 3.0 6Gb/s in MacBook® Pro 2011 Laptops and the new 2011 iMacs® (along with other SATA 3.0 equipped PCs).

NEW! OWC® Mercury EXTREME™ Pro 6G SSD

7% Over Provisioned Redundancy (OPR) | 3 Year OWC Warranty | Mac® & PC Compatible

• INCREDIBLE PERFORMANCE

Sustained data rates up to 559MB/s read, 527MB/s write.

 POWERFUL PROCESSOR FOR REAL-WORLD SPEED Random 4K file read/writes up to 60,000 IOPS.

MAXIMUM DATA RELIABILITY

SandForce® DuraWrite™ and RAISE technologies and use of Top Quality Tier 1/Grade A, Synchronous NAND Flash provides maximum performance with unrivaled data reliability, integrity and longevity.





240_{GB} 480_G \$1,799

Solid State Drive

Mercury EXTREME®
Pro 6G

Designed and built in the USA



"It's the fastest SSD I've tested to dote...a serious, enterprise-closs SSD..." - Bare Feats



"Editors Choice without o second thought! Great job OWC!"
- Les Tokar, The SSD Review.com



"Performonce higher than you con dreom about." -Chris Ramseyer, TweakTown



"These ore never-before-seen singledrive speeds-awesome!..."
- Lloyd Chambers, MacPerformanceGuide

SEE THE OWC SSD DIFFERENCE

An OWC Mercury EXTREME Pro SSD makes any model MacBook Pro faster than the latest 2011 MacBook Pro.



Late 2006 MacBook Pro 15" with OWC SSD



Late 2008 MacBook Pro 15" with OWC SSD



Mid 2009 MacBook Pro 15" with OWC SSD



Mid 2010 MacBook Pro 15" with OWC SSD



Early 2011 MacBook Pro 15" 2.3GHz i7 processor with stock Hard Drive

See the performance shootout in real time at: www.macsales.com/ssdtest



OWC Mercury EXTREME Pro SSD

- Up to 285MB/s data rate.
- · Ultra-efficient block management.
- Uses up to 75% less power than hard drives.









UP TO 480GB from \$99.97

OWC® Data Doubler™

Add a Second Internal Drive to Your Mac Laptop! www.macsales.com/dd

Complete, Easy to install kit – with all needed tools included only **\$74.99**

For MacBook/MacBook Pro models. even the new 2011 models!

Drive available separately





OWC offers the ONLY SSDs available for MacBook Air

OWC Mercury Aura™ Pro Express

MacBook Air® 2010 SSD – The first and only SSD upgrade for Apple's latest MacBook Air – Up to 68% faster and up to 4X the factory offered capacity!

UP TO 480GB from \$479.99 www.macsales.com/aurassd





OWC SSDs for 2008/2009 Macbook Air & Apple G3/G4/G5 also available: www.macsales.com/owcssd



i am a networking genius.

Introducing iA100, the First iPad speaker dock with Bluetooth capability, app-enhancement, FM tuner and alarm clock functionality. Add the free iHome+Sleep app to stay fully updated on your social networks and sleep stats; add the iHome+Radio app to enjoy thousands of internet radio stations. Bluetooth lets you stream your music wirelessly or use iA100 as a speakerphone. With Four Reson8® chamber speakers, exclusive Bongiovi DPS sound and an on-board EQ, you'll never miss a beat again.

www.ihomeaudio.com



Apple Online Store bestbuy.com crutchfield.com